

230-90430.918



ACO 9383 62473

ACO 9383
Art.-N° 62473.x20

ACO 9303
Art.-N° 62471.x20

AVE 30
Art.-N° 63408.x20

Articos 30
Art.-N° 62474.x20



ACO 9303 62471



AVE 30 63408



Articos 30 62474

LOEWE.

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CAUTION:

These servicing instructions are for use by qualified service personal only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so:



Note on electrostatic shielding

1. Electrostatically shielded MOS workstations

Components sensitive to electrostatic discharge must be handled at workstation with electrostatic shielding. An electrostatically shielded MOS workstation is fitted with discharge resistor which earth all conductive materials, including the technician working there. Dielectrics are discharged by air ionisation. The use of soldering irons and measuring equipment at shielded workstation is only possible in conjunction with isolating transformer in each of the devices used. Measuring equipment chassis are also earthed with discharge resistors.

2. Shielded packaging using conductive materials

To protect against electrostatic charges, electrically conductive plastics are used for packaging and transport purposes. Conductive plastics are available in the form of transparent protective bags, foam plastic, film sheeting or containers. Sensitive components requiring the use of protective packaging must only be packed and unpacked at shielded workstations.

Safety instructions

Warning: Before servicing this chassis, read the "X-ray radiation precaution", "Safety precaution" and "Product safety notice" instructions below.

X-ray radiation precaution

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this TV receiver is **A** kV at zero beam current (minimum brightness) under a 120V AC power source. The high voltage must not, under any circumstances, exceed **B** kV.

Refer to table-1 for high voltage **A**, **B**.
(See Adjustments procedures on page 1-13)

Each time a TV receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.

2. This TV receiver is equipped with a Fail Safe (FS) circuit which prevents the receiver from producing an excessively high voltage even if the UB voltage increases abnormally.
3. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
4. Some part in this TV receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

Safety precaution

Warning: Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation Transformer should be connected in the power line between the TV receiver and the AC line before any service is performed on the TV receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
4. The regulations of the country concerned must also be observed.

Leakage current cold check

1. Unplug the AC cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 4 M Ω and 20 M Ω . When the exposed metal does not have a return path to the chassis the reading must be infinite.

Leakage current hot check

1. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screwheads, metal overlays, control shafts etc to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 120V AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner:
2. Connect a 2000 ohm 10 watt resistor, paralleled by a 0,15 μ F, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time (Fig. 1). Measure the AC voltage across the combination of 2000 ohm resistor and 0,15 μ F capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0,5 volts rms. This corresponds to 0,25 milliamp. AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

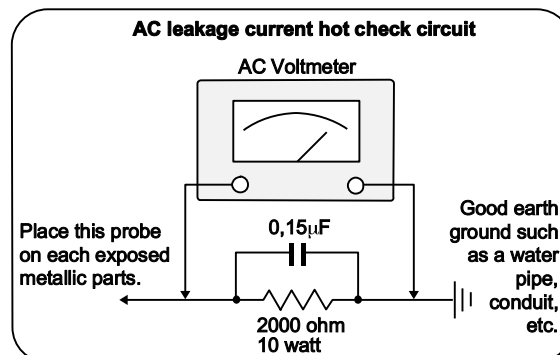


Fig. 1

Product safety notice

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols "⚠" on the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

Rear panel removal

Unscrew the five rear panel screws **R** to remove the rear panel. Insert screw driver into recess **V**. Depress interlocking and at the same time slide rear panel to the rear (fig. 2).

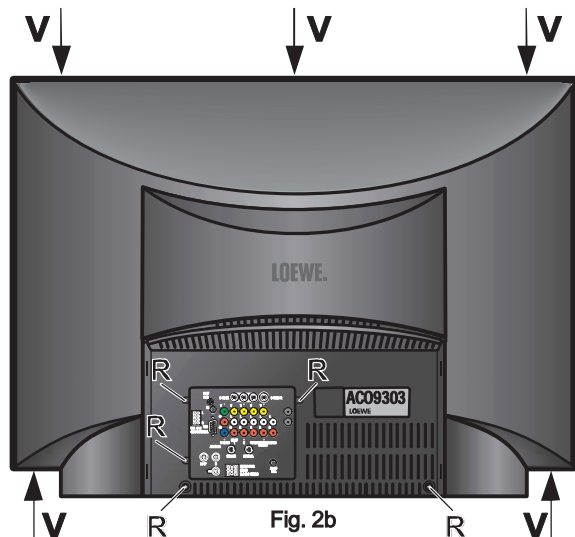


Fig. 2b

How to move the chassis into the service position

1. Hold and lift the rear of the chassis and gently pull the chassis toward you (fig. 3).
2. Undo the cable fixtures. Turn the chassis through 90° anti-clockwise and place the chassis behind the set (fig. 4).
3. After servicing ensure all wiring is returned to its original position and fixed.

Service position for the signal board

1. Remove the signal board from the main chassis (Basic board), ensuring all leads are disconnected.
2. Remove the four six (A) (fig. 5) from the plastic AV cover and unclip the AV cover from the signal board.
3. Remove the front metal cover from the signal board (fig. 6). Do the same for the rear metal cover (fig. 7).
4. Fit the three extension leads to the signal board making sure that the signal board does not touch the basic board (fig. 8).
5. After servicing ensure all wiring is returned to its original position and fixed.

Note:

The extension lead wire kit is supplied as a service kit. (Part number 3 x 396-90288.938).

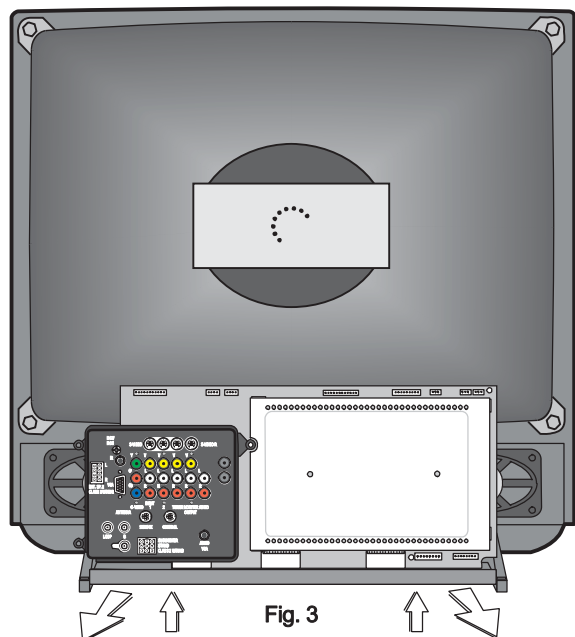


Fig. 3

Repair information for the signal board MediaPlus

There is any error on the signal board, please proceed as described:

- Remove the EAROM (I 1891) from the printed circuit board. The TV is able to keep running.
- If you get a static picture, the EAROM is out of order (possible geometry errors remain unconsidered).
- If the error is still there, it's because of another component on the signal board.
- If you want to change the signal board at the service head office, insert the EAROM from the damaged signal board into the new one. So you don't need to make the alignment and the programming of the TV set.

Important!

Please remove the AV cover at the damaged signal board.

Rear panel removal

How to move the chassis into the service position

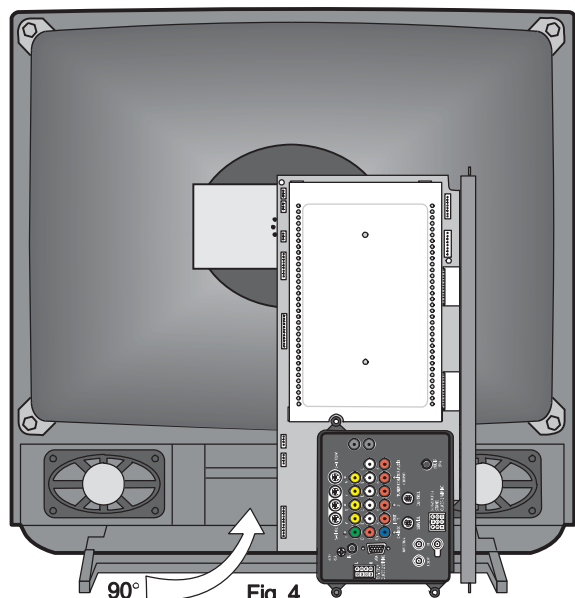
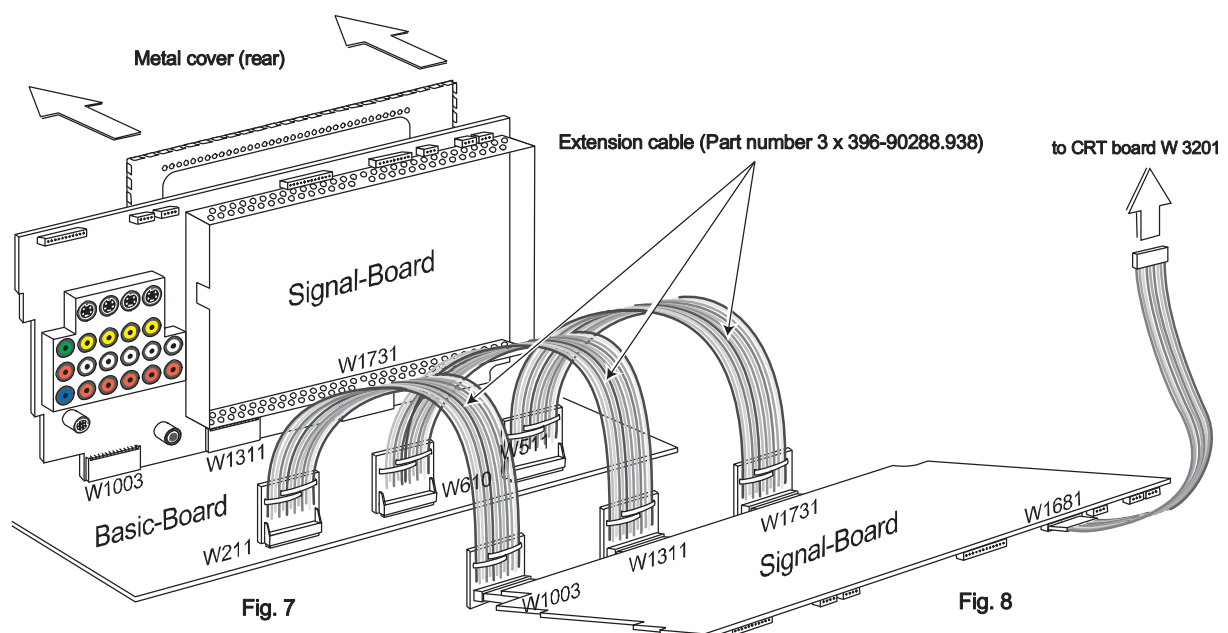
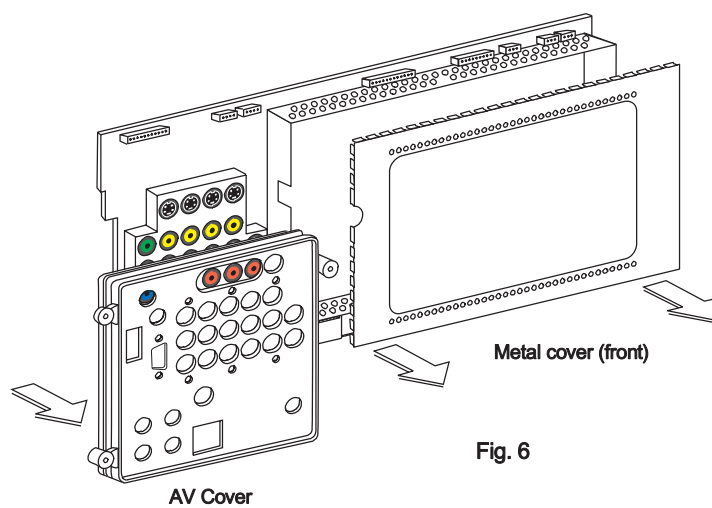
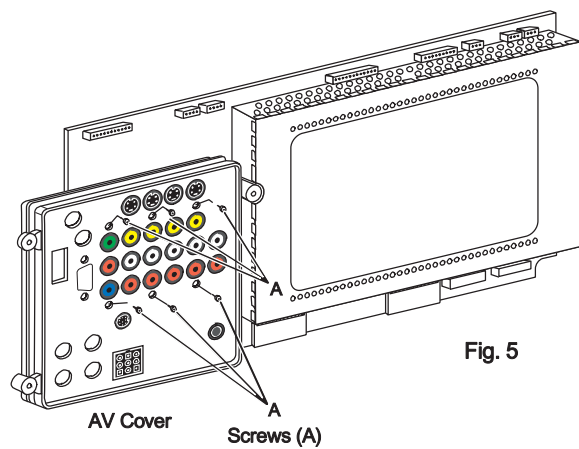


Fig. 4

Service position for the signal board



Technical specifications

Mechanical data

Aconda (ACO9383)	article number 62473
Screen size	40"
Dimensions (W x H x D)	41" x 29 7/8" x 24 3/8"
Weight (lbs.)	220
Colors	Piano Black, Stratos Metallic, Graphite, Highgloss Basalt
Picture format	16 : 9
Visible screen diagonal (cm)	38"
Speakers	4
Power consumption (watts)	195

Aconda (ACO9303)	article number 62471
Screen size	32"
Dimensions (W x H x D)	33 1/2" x 24 5/8" x 24 5/8"
Weight (lbs.)	116
Colors	Piano Black, Stratos Metallic, Light Silver
Picture format	16 : 9
Visible screen diagonal (cm)	30"
Speakers	4
Power consumption (watts)	185

Aventos (AVE30)	article number 63408
Screen size	32"
Dimensions (W x H x D)	31 4/5" x 23 2/5" x 22 1/9"
Weight (lbs.)	141
Colors	Matte Black, Platinum
Picture format	16 : 9
Visible screen diagonal (cm)	30"
Speakers	2
Power consumption (watts)	185

Articos 30	article number 62474
Screen size	32"
Dimensions (W x H x D)	34 7/8" x 26 5/8" x 22 5/8"
Weight (lbs.)	141
Colors	Highgloss Basalt, Platinum
Picture format	16 : 9
Visible screen diagonal (cm)	30"
Speakers	4
Power consumption (watts)	185

Electrical data

Chassis designation	A 2440
Frame repetition frequency	60 Hz Proscan
Power supply	120 V / 60Hz
Power consumption	185 Watt
	Standby ~ 1 Watt

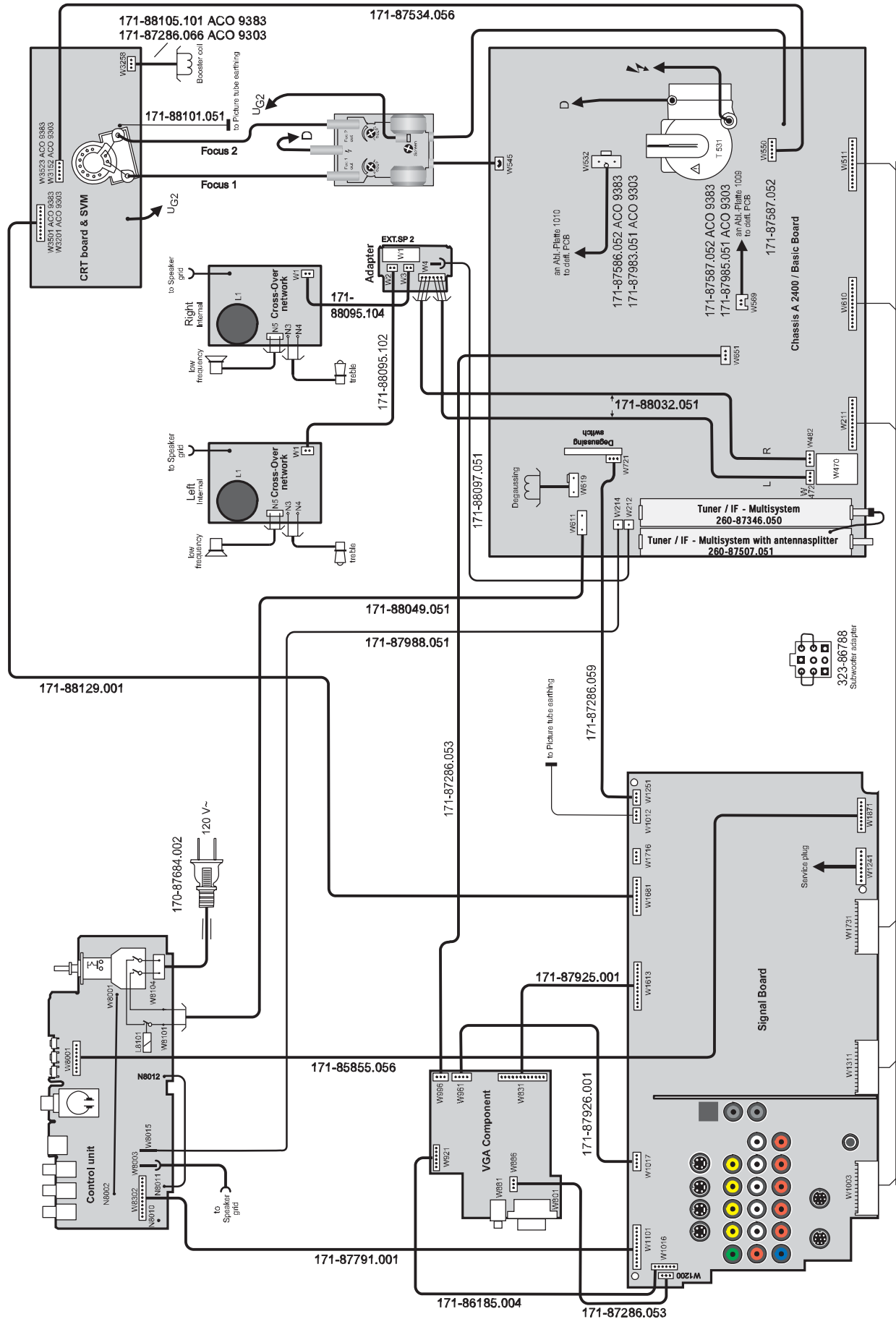
Ambient temperature	41° - 104° F
Tuner VHF/UHF/Cable 1	125 Channel

TV standards	NTSC
Sound standards	MTS
Rated audio power	2 x 12 W / 4 Ohm

Connections

Name	Connector	Signal notes
Audio/Video (front)	RCA/S-Video (x1)	Stereo/ Composite/S-Video
Antenna In A/B	IEC socket/"F"adapter (x2)	75 Ω
Antenna Loop Out	IEC socket/"F"adapter	75 Ω
Audio/Video (rear)	RCA/S-Video (x3)	Stereo/ Composite/S-Video
VGA/RGB In	HD-15	VGA/480p/1080i
VGA Audio In	Mini phone	Stereo
Component In	Phono (x3)	Y/Cr/Cb
Digital Audio In (optical)	pass through to digital audio out	
Digital Audio In (coaxial)	pass through to digital audio out	
Monitor Out	Phono (x3)	Stereo (fixed/variable audio) Composite/S-Video
Audio Out	Phono (x2)	Stereo
Digital Audio Out	Phono	S/PDIF
Headphone Out	1/4" Phone	Stereo 32-200 Ω
Subwoofer Stand	Connector - 9 pole	Disconnects Internal Speakers
Ext. Speakers 2 Output	Connector - 4 pole	Min. 4Ω

Wiring diagram • ACO 9383/9303



This is a detailed wiring diagram for a Philips 171-87286.056 television set. The diagram illustrates the electrical connections between various internal components, including:

- CRT board & SVM:** Located at the top left, it includes a booster coil (W3258) and is connected to the CRT tube (Focus 1, Focus 2, UG2).
- Adapter:** A central component (171-88247.051) that interfaces between the CRT board and the main chassis.
- Chassis A 2400 / Basic Board:** The main central board, which houses the tuner, IF, and Multisystem components (260-87346.050 and 260-87507.051). It also includes a degaussing switch (W619) and a degaussing coil (W621).
- Signal Board:** Located at the bottom right, it handles the video and audio signals, featuring a service plug and various input/output connectors.
- Control unit:** Located at the bottom left, it manages the television's operation, including power (120 V~) and speaker connections.
- VGA Component:** A separate module (171-86185.004) that provides video input/output capabilities.

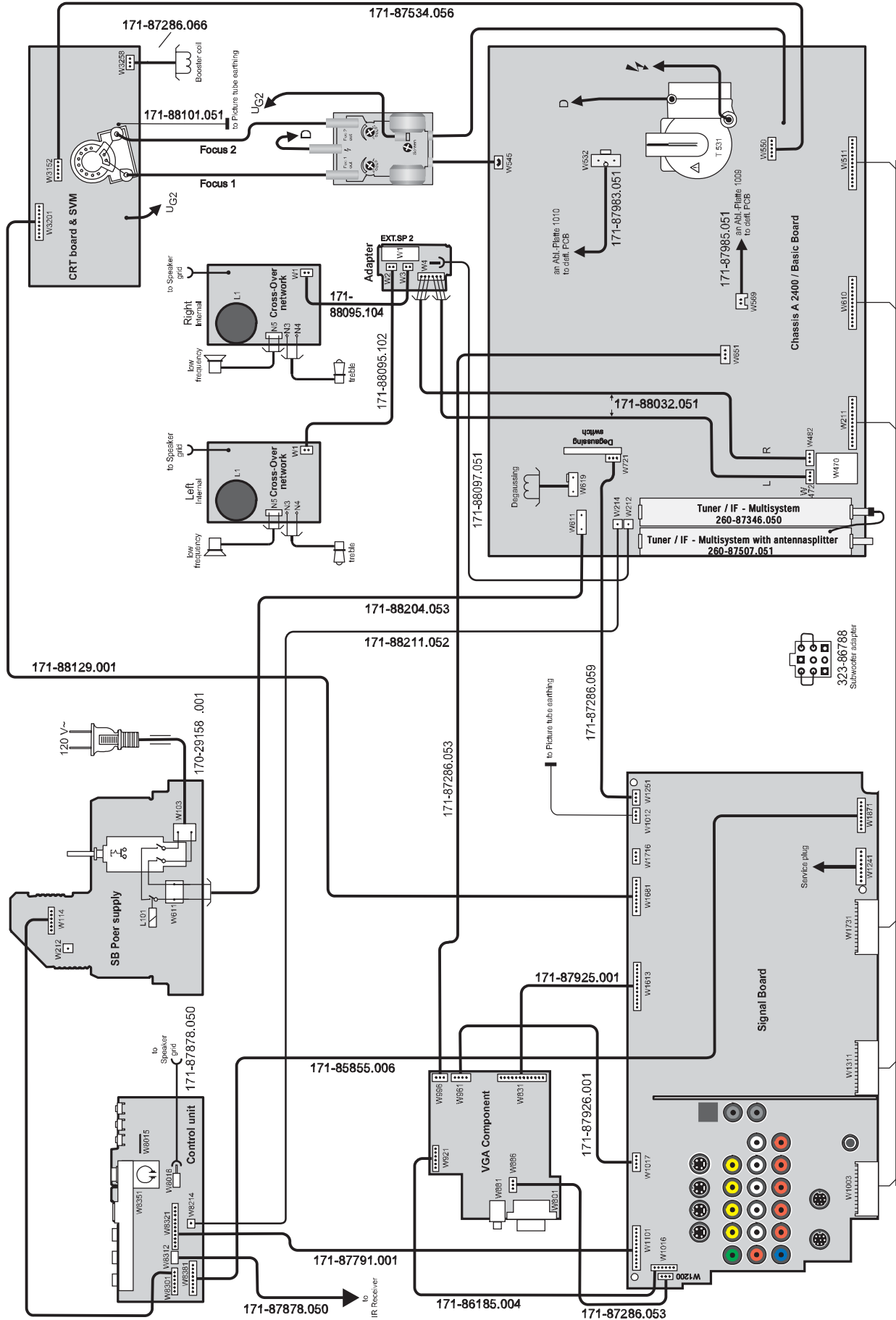
The diagram uses a color-coded system to identify different types of components and connections:

- Blue:** Tuner / IF - Multisystem components.
- Green:** Tuner / IF - Multisystem with antenna splitter components.
- Yellow:** Signal Board components.
- Red:** Control unit components.
- Purple:** VGA Component components.
- Grey:** Chassis A 2400 / Basic Board components.
- White:** CRT board & SVM components.

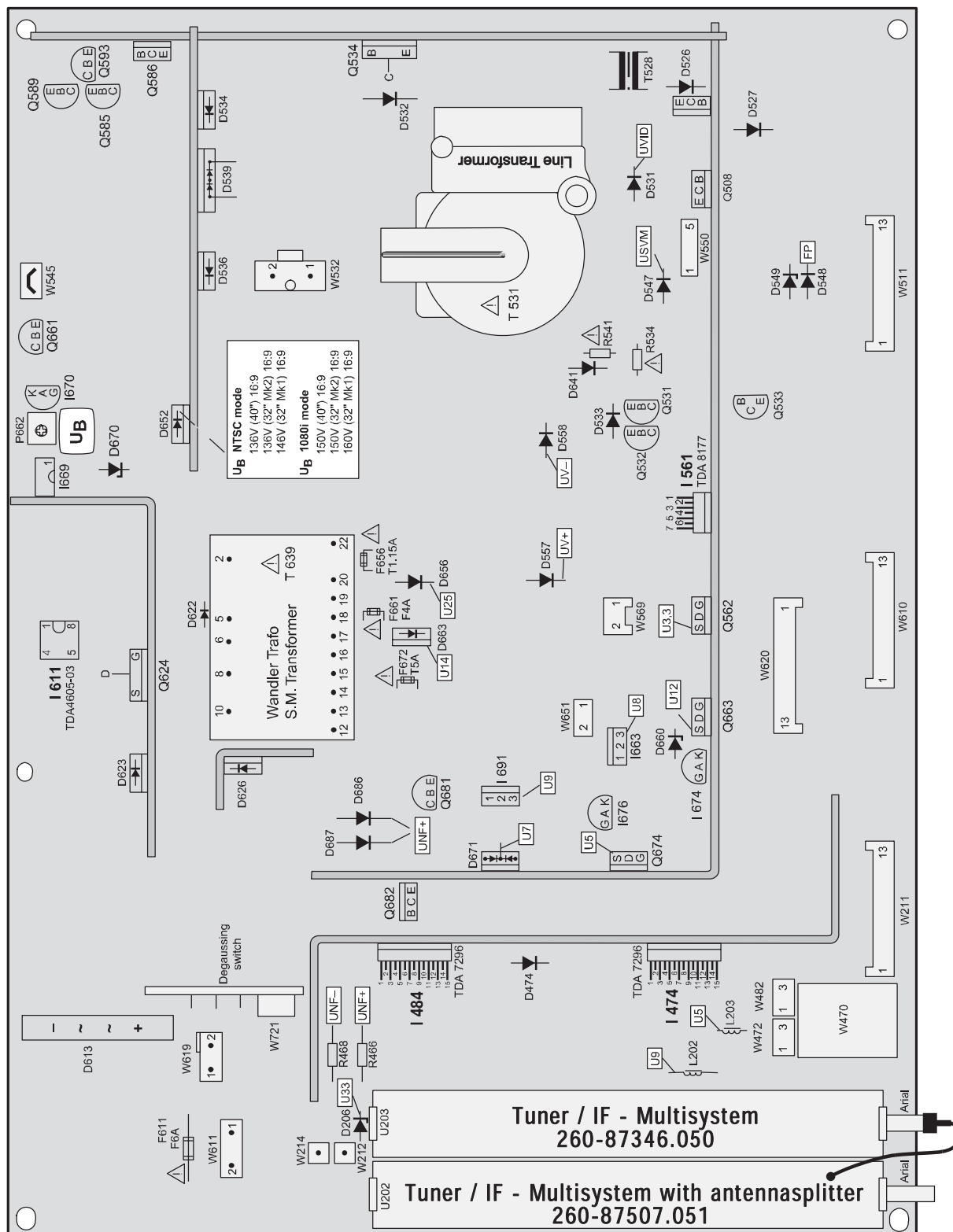
Key connection points and components labeled include:

- W3152, W3201:** Connectors on the CRT board.
- W3258:** Booster coil.
- W545:** Connector on the Chassis A board.
- W550, W551:** Connectors on the Chassis A board.
- W569:** Connector on the Chassis A board.
- W561:** Connector on the Chassis A board.
- W570, W571:** Connectors on the Chassis A board.
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- W720:** Connector on the Chassis A board.
- W721:** Connector on the Chassis A board.
- W722:** Connector on the Chassis A board.
- W723:** Connector on the Chassis A board.
- W724:**

Wiring diagram • Articos 30



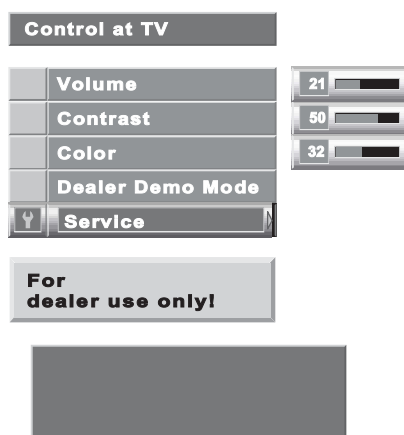
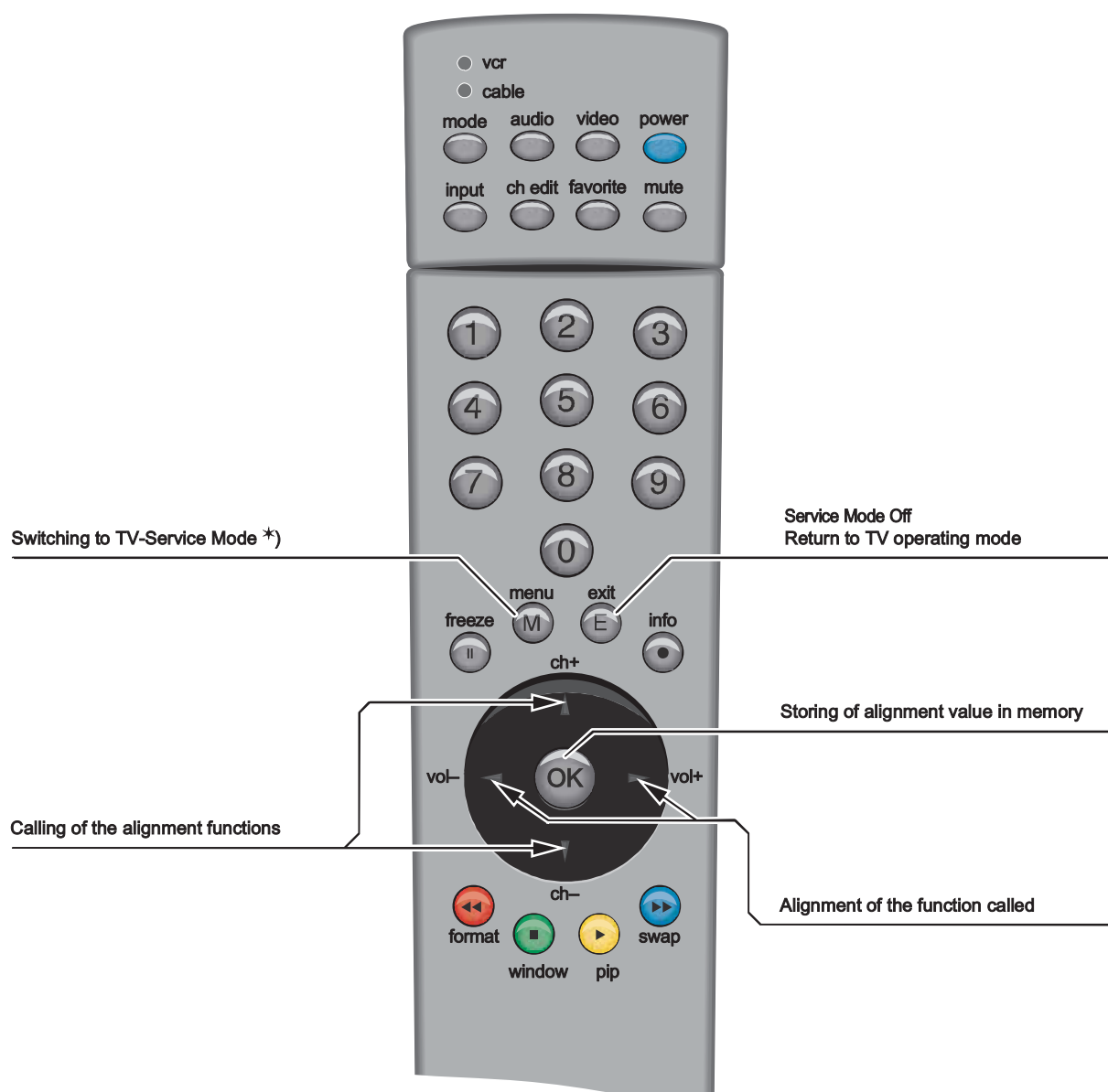
Basic Board (A 2440)



Service layout diagram

Component side

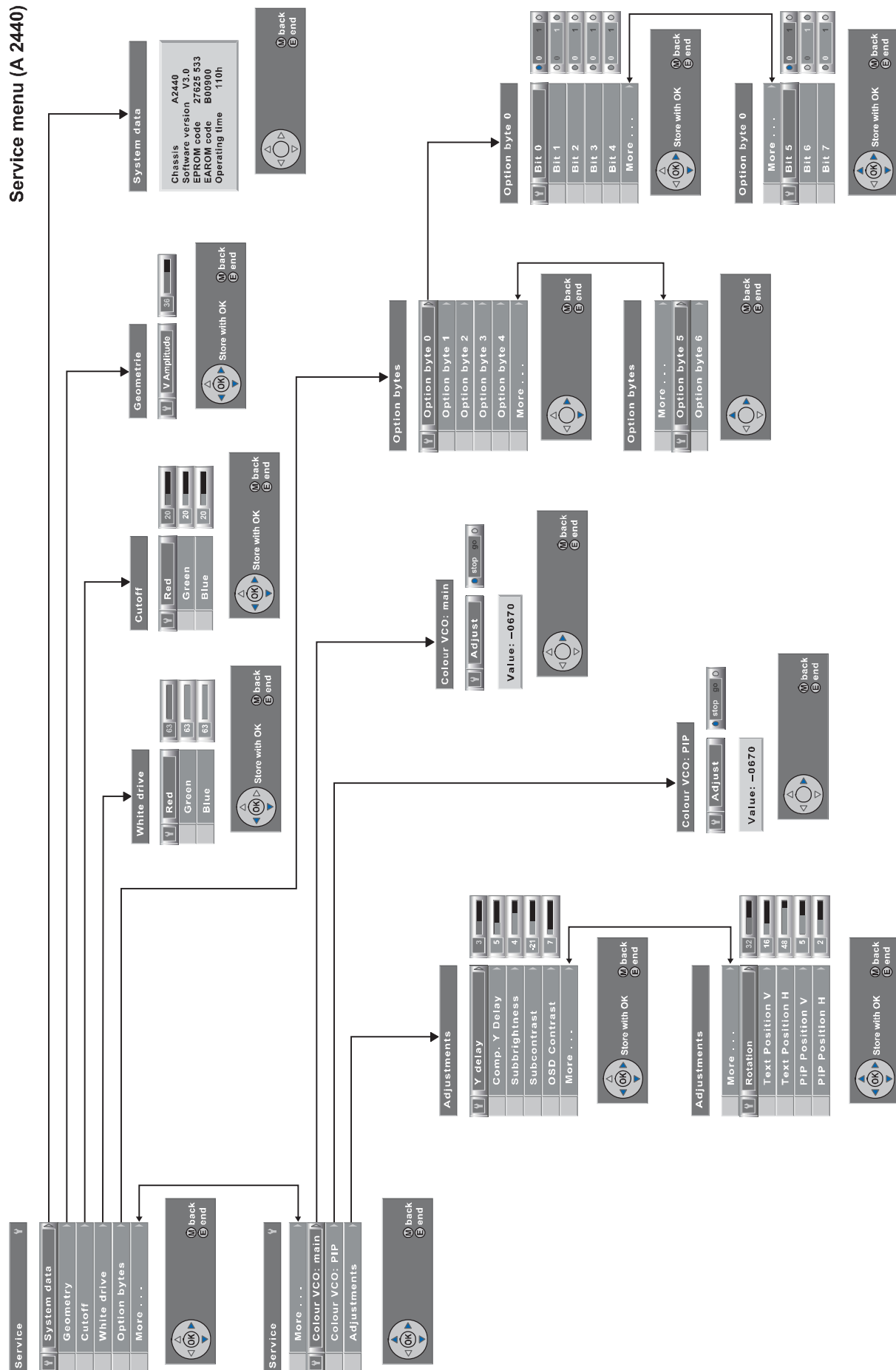
Arrangement of the SERVICE Mode commands on the remote control



Entering Service Mode

- *) On the local control press function key four times (indication „Service“ will appear), afterwards within a sec. press key **M** on the remote control.

Service menu (A 2440)



Adjustment procedures

Service Mode A 2440

29.02.2004

High voltage at zero beam: Ⓐ		Max high voltage: Ⓑ	
Picture size	UB (NTSC Mode)	High voltage	
40" / 16:9	136 V	Ⓐ 31,0 kV Ⓑ 32,0 kV	
32" Mk2/ 16:9	136 V	Ⓐ 33,0 kV Ⓑ 34,0 kV	
32" Mk1/ 16:9 Real flat	146 V	Ⓐ 33,0 kV Ⓑ 34,0 kV	

Measuring UB parallel to C651

High voltage at zero beam: Ⓐ		Max high voltage: Ⓑ	
Picture size	UB (1080i Mode)	High voltage	
40" / 16:9	150 V	Ⓐ 31,0 kV Ⓑ 32,0 kV	
32" Mk2/ 16:9	150 V	Ⓐ 33,0 kV Ⓑ 34,0 kV	
32" Mk2/ 16:9 Real flat	160 V	Ⓐ 33,0 kV Ⓑ 34,0 kV	

Measuring UB plus pole C651 to Chassis GND

Table-1

1. Function

Service mode permits the calibration of variable EAROM values.

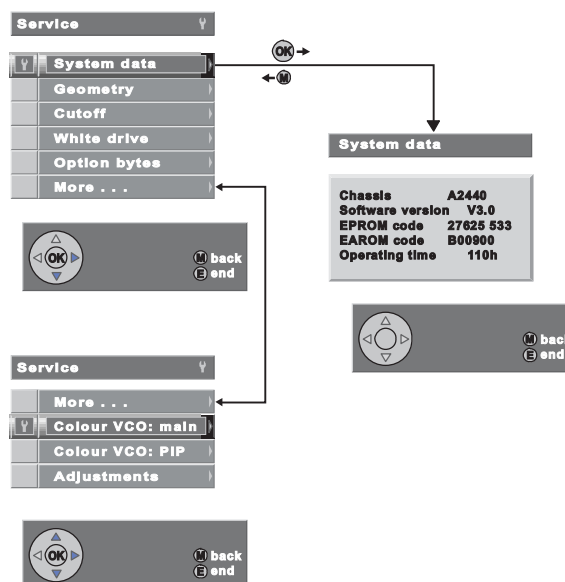
2. Entering Service Mode

The Adjustment sequence for the service mode is indicated in the pictures: "Arrangement of the service mode commands on the remote control" (p. 11). The set is now in the service mode basic routine and documents this with the following on-screen display.

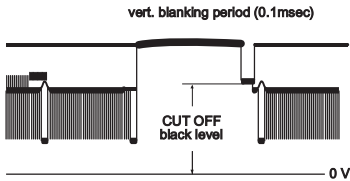
3. Instructions on Geometry Alignment

Vertical amplitude, Vertical position, Vertical linearity, Vertical symmetry, Hor. amplitude, Hor. phase, E-W corr., Trapezium comp., etc will be adjusted separately for 50/60Hz vertical frequencies. Therefore they have to be regulated separately.

CRT:	16:9
- 50Hz - 60Hz	Test pattern: 16:9 16:9



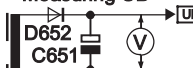

4. Alignment functions (0-13b)

Alignment functions		Display - Screen e.g.	Settings / special features
0	Vertical Amplitude	Geometrie V Amplitude xx	Optimum setting Color test pattern (FuBK)
1	Vertical Position	Geometrie V Position xx	
2	Vertical Symmetry	Geometrie V Symmetry xx	
3	Vertical Linearity	Geometrie V Linearity xx	
4	Horizontal Amplitude	Geometrie H Amplitude xx	
5	Horizontal Position	Geometrie H Position xx	Separate adjustments for the various screen settings.
6	EW Amplitude	Geometrie EW Amplit. xx	Optimum settings
7	EW Upper	Geometrie EW Upper xx	
8	EW Lower	Geometrie EW Lower xx	
9	Trapezium Correction	Geometrie Trapezium xx	
10	Vertical Bow	Geometrie V Bow xx	
11	Vertical Angle	Geometrie V Angle xx	
12	Horizontal Offset	Geometrie H Offset xx	
13a	Cutoff Measuring Pulse	Cutoff Red xx Green xx Blue xx	<p>At colour output stage (MP1, MP2, MP3) check the highest of the displayed tension. Use Ug2 controller in DST or controller unit to adjust: Cutoff = $148 \pm 2.5V$ DC [Before that adjustment contrast has to be set to 50, brightness to 23 and colour saturation to 32. For all 3 colours Cutoff must display 20 and White Level (14) 63! All 16:9 TV sets have to be set to 16:9 model!]</p> 
13b	Cutoff Reference Value	Cutoff Red xx Green xx Blue xx	In the grey area rise the missing two colours until black becomes standard, then store these values with "OK" key.

5. Alignment functions (14-37)

Alignment functions		Display - Screen e.g.	Settings / special features
14	White Level	White drive Red xx Green xx Blue xx	In the white area reduce the dominant two colours until black becomes standard, then store these values with "OK" key.
15	Option bytes	Option byte 0 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	Caution! Here inputs and memorizing: a) in the event of necessary repairs b) if you wish to alter programs/norms For alignment method see Option Bytes Table
16	Option bytes	Option byte 1 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	
17	Option bytes	Option byte 2 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	
18	Option bytes	Option byte 3 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	
19	Option bytes	Option byte 4 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	
20	Option bytes	Option byte 5 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	
21	Option bytes	Option byte 6 Bit 0 1 2 3 4 5 6 7 x x x x x x x x	
22	Subcarrier Osc.	Colour VCO: main stop start	Adjust zero beat (autom. adjustment)
23	Subcarrier Osc.	Colour VCO: PIP stop start	
24	Y Delay	Adjustments Y delay xx	Optimum settings
25	Comp. Y Delay	Adjustments Comp. Y Delay xx	
26	Brightness Offset	Adjustments Subbrightness xx	Don't adjust!
27	Subcontrast	Adjustments Subcontrast xx	
28	OSD Contrast	Adjustments OSD Contrast xx	Optimum settings
29	Rotation	Adjustments Rotation xx	
30	Vertikal Pos. TT	Adjustments Text Position V xx	
31	Horizontal Pos. TT	Adjustments Text Position H xx	
32	Vertikal Pos. PiP	Other adjustments PiP Position V xx	
33	Horizontal Pos. PiP	Adjustments PiP Position H xx	
34	EAROM Transfer via AV	Only program data From AV2 to TV stop start	Set expects external programming via EAROM programmer (Program locations)
35	EAROM Transfer via AV	Only program data From TV to AV2 stop start	Set expects external programming from TV in the EAROM programmer (Program locations)
36	EAROM Transfer via AV	All data ! From AV2 to TV stop start	Set expects external programming via EAROM programmer (all EAROM data)
37	EAROM Transfer via AV	All data ! From TV to AV2 stop start	Set expects external programming from TV in the EAROM programmer (all EAROM data)

6. Analog adjustments

Alignment functions outside the Service Mode (= analog alignment points)						
Adjustment		Signal	Condition	Mst. point	Adjustments	Settings special features
1a	Operating voltage	Test pattern (NTSC Mode)	110/120V~	<div>Screen U_B</div> <div>Measuring UB</div> 	P 662 (Basic Board)	136V ± 0,5V (40") 16:9 136V ± 0,5V (32" Mk2) 16:9 146V ± 0,5V (32" Mk1) 16:9 If necessary correct hor. amplitude afterwards!
1b	Operating voltage	Test pattern (1080i Mode)	110/120V~	<div>Screen U_B</div> <div>Measuring UB</div> 	P 662 (Basic Board)	150V ± 2,0V (40") 16:9 150V ± 2,0V (32" Mk2) 16:9 160V ± 2,0V (32" Mk1) 16:9 If necessary correct hor. amplitude afterwards!
2	Focus	Test pattern		Screen	Focus at the line transformer or controller unit	Optimum settings

Option Byte Table

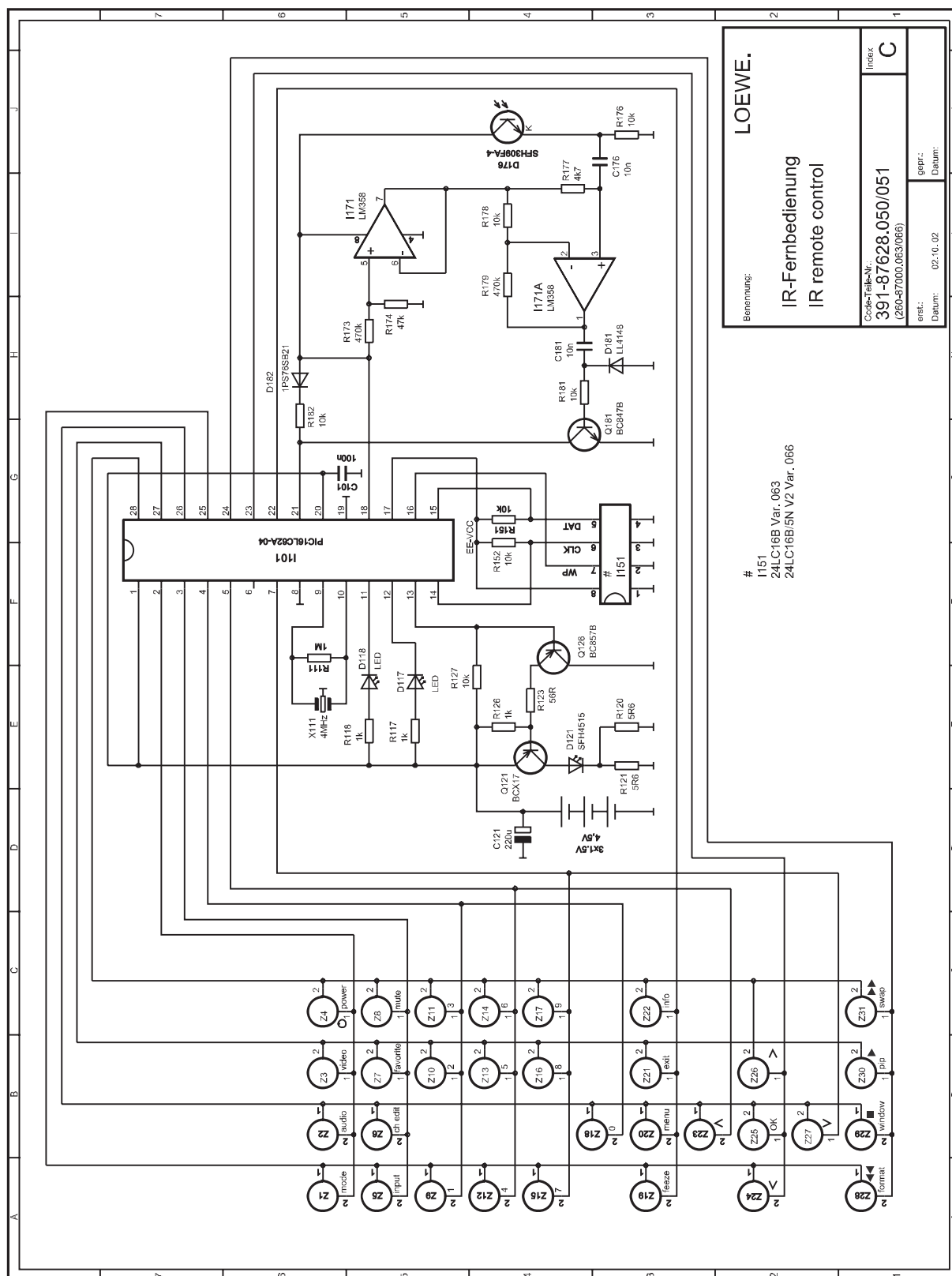
Alignment function	Bit-Nr. N°.	Meaning	"0"	"1"	Adjusted in the factory
Byte 0	0	HDLC	Timeout	No Timeout	0
	1	Synch slicer threshold	not written	written	0
	2	Read sidepanel from	PROM (new BESIC)	EAROM	1
	3	Motor Unit	possible	impossible	1
	4	Available TV-Mode	480 lines proscan	960 lines inerlace	0
	5	Blue picture w/o signal	yes	no	0
	6	VGA Modul	yes	no	0
	7	VGA switch	delayed	undelayed	1
Byte 1	0	Timer controlled prg switch	yes	no	0
	1	Auto YC on AV input	yes	no	0
	2	Text mode	black background	drop shadow	0
	3	Close caption	enhanced attr. off	enhanced attr. on	0
	4	PIP	frame mode	field mode	0
	5	16:9 sets and PIP on	pan/cin/zoom possible	pan/cin/zoom impossible	0
	6	Auto PAL/NTSC via AV	no	yes	1
	7	Concerzos	possible	impossible	0
Byte 2	0	Auto color PAL/NTSC	only NTSC	always on (only for fafactory use)	1
	1	Indicate movie mode	no	yes	0
	2	Lock Mode VPC	no	via side panel color	0
	3	Blanking program switch	yes	no	0
	4	free	—	—	0
	5	AGC memory	off	on	1
	6	Reaction of delayed commands	slow	fast	0
	7	Auto movie source detect.	disabled	enabled	1
Byte 3	0	Default aspect ratio	enabled	disabled	1
	1	Picture size	4:3	16:9	1
	2	Rotations coil	no	yes	1
	3	Split screen vert. delay	disabled	enabled	0
	4	Switch-off autom. (w/o Sync)	yes	no	0
	5	Warm up mode	off	on	0
	6	OSD clamping	old	new	1
	7	First switch on	no	yes	1

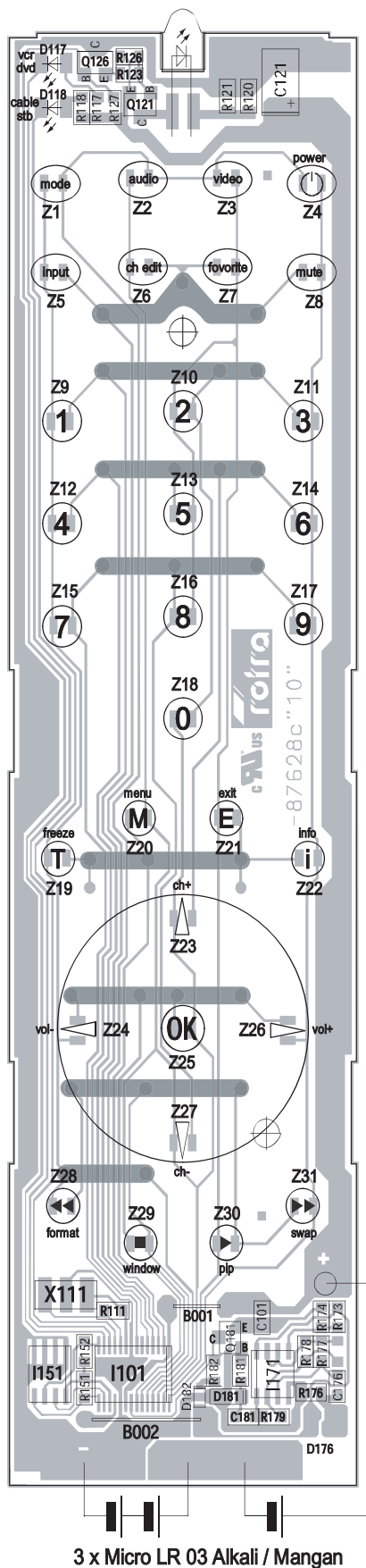
Option Byte Table

Alignment function	Bit-Nr. N°.	Meaning	"0"	"1"	Adjusted in the factory
Byte 4	0	Sound ident info OSD active	no	yes (only for test)	0
	1	Auto volume control (AVC)	slow	fast	0
	2	50Hz progressive scan	disabled	enabled	0
	3	60Hz progressive scan	disabled	enabled	1
	4	Auto movie detect (AMD)	fast	slow	1
	5	Warm up mode	on	off	1
	6	Chroma inverter BESIC	on	off	0
	7	SUB 27 commands via IR	inhibit	uninhibited	0
Byte 5	0	Scan velocity modulation	disabled	enabled	1
	1	Welcome screen	from EPROM	from EAROM	0
	2	Output selected	monitor	tuner	0
	3	Basic board	Q2440	Q2400	0
	4	VGA synch switching	old	new	1
	5	Values for upconversion	automatic	manual recursion	0
	6	free	—	—	0
	7	Input locking	off	on	0
Byte 6	0	Gamma-settings (1080i)	from EAROM	from EPROM	0
	1	sync source for VGA 480p	external	VPC	0
	2 *	input locking source	input 1 VGA input	component input	0
	3 *	input locking source	input 1 component input	VGA input	0
	4	reserved	—	—	0
	5	special cable for VGA input	no	yes	1
	6	Component input	no autosense	autosense	0
	7	Subbrightness and subcontrast for YUV 480i	enabled	disabled	0

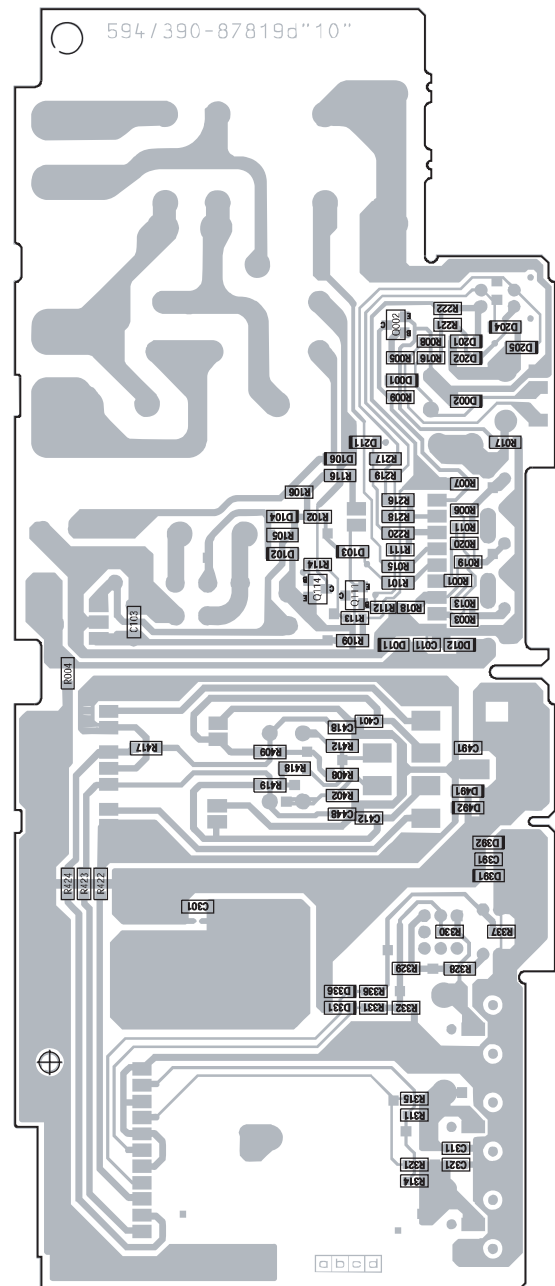
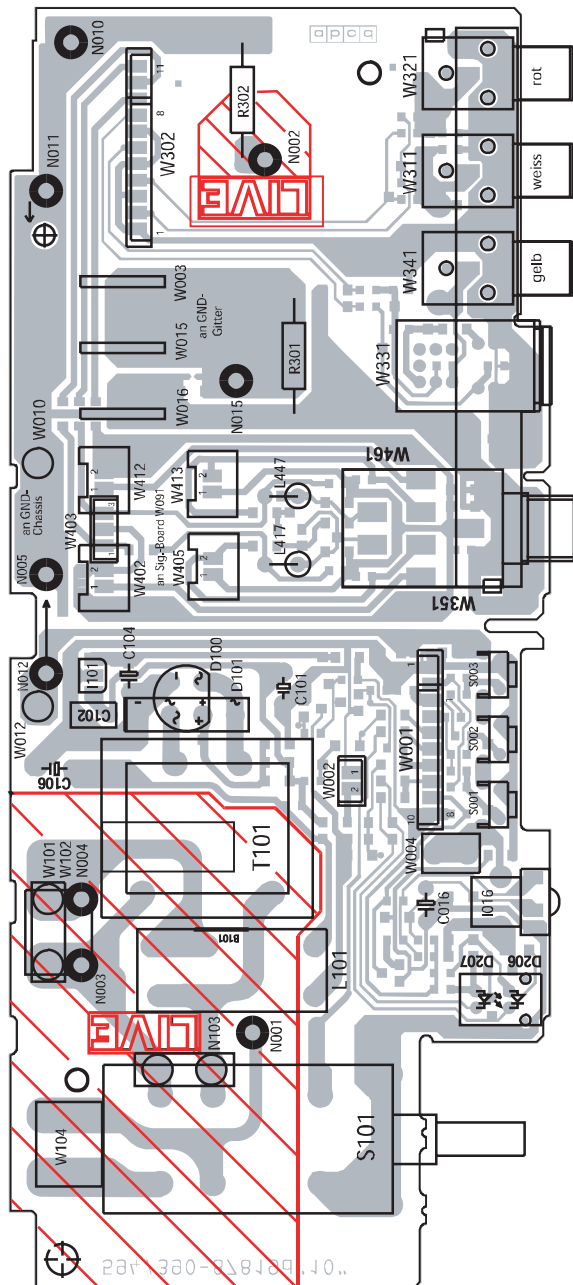
Option Byte 6	Bit 2 *	Bit 3 *
input 1	0	0
component input	1	0
VGA input	0	1

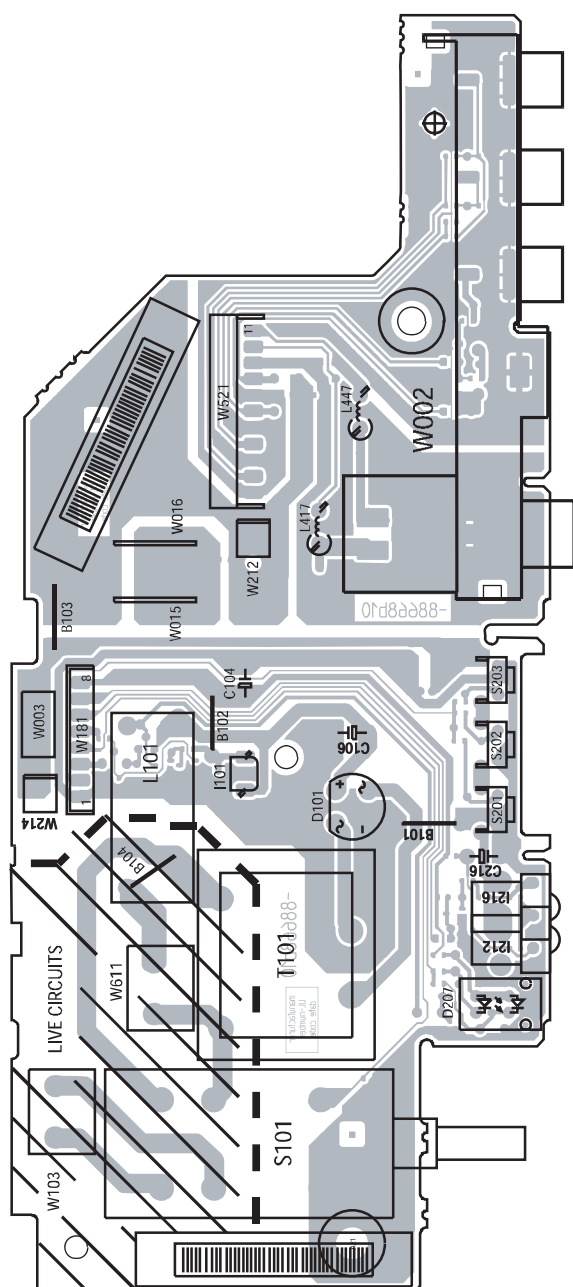
[illegible]



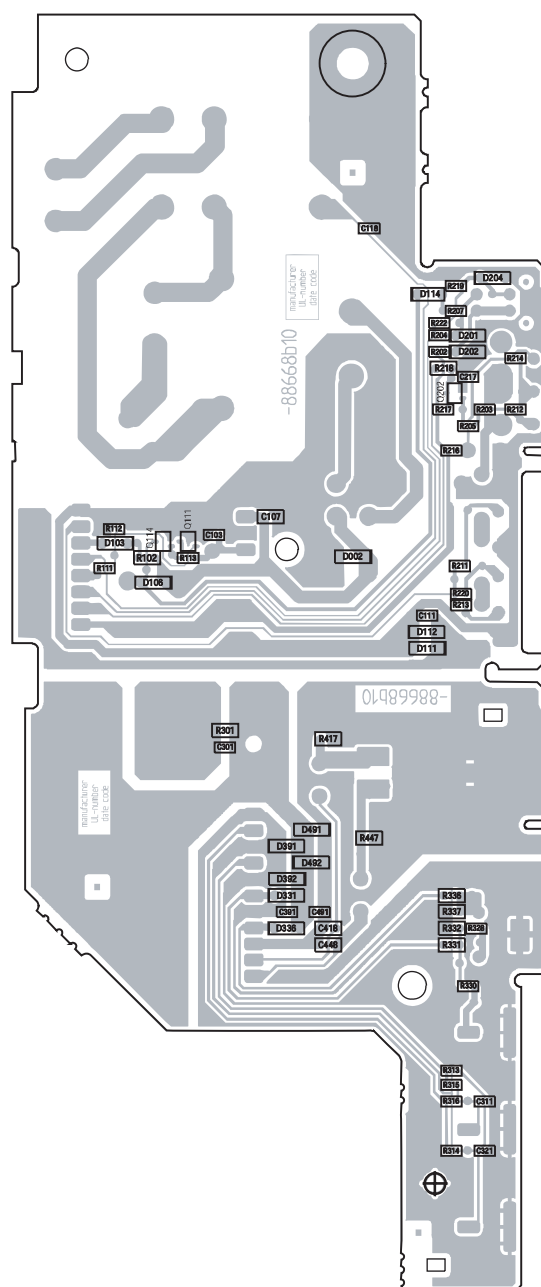


Infrared remote control P.C.B. 87628C Components side

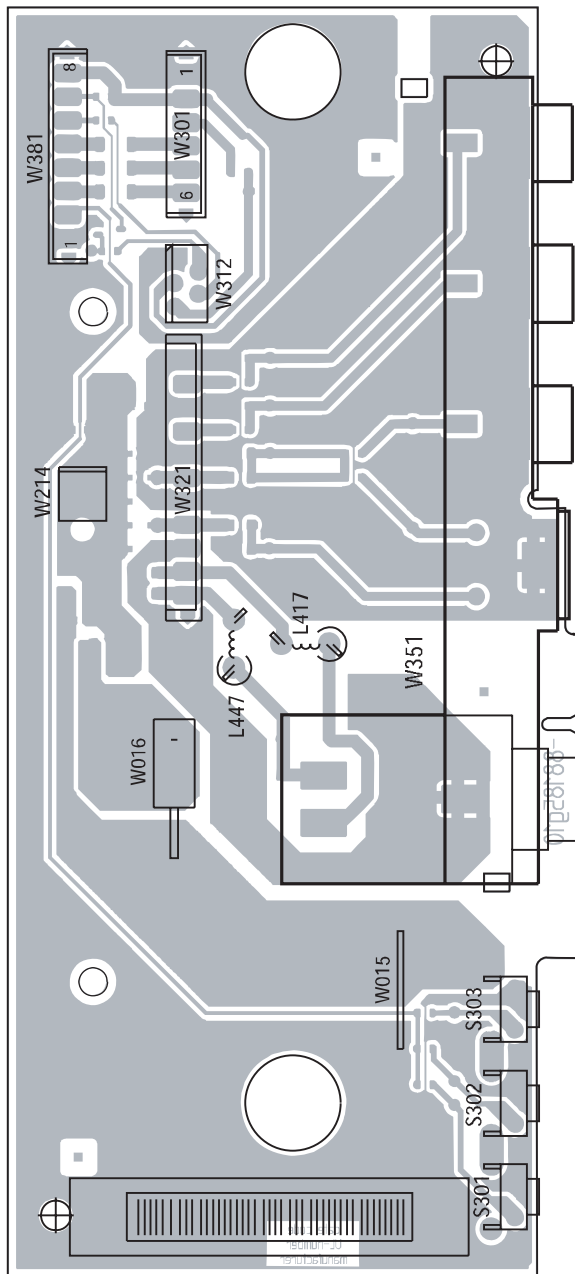




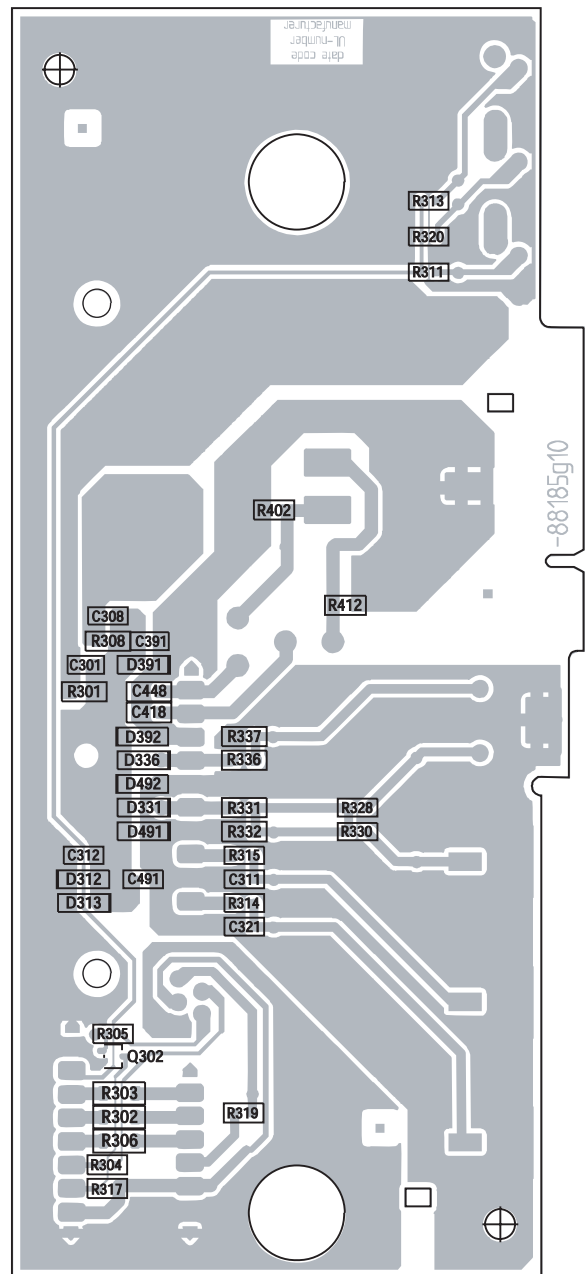
Control Unit P.C.B. 88668B Components side



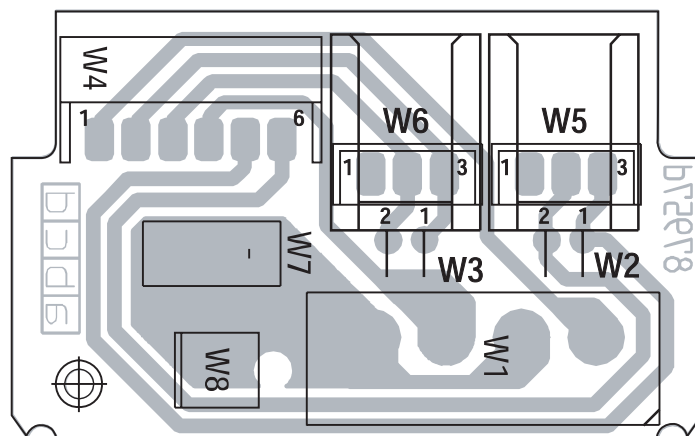
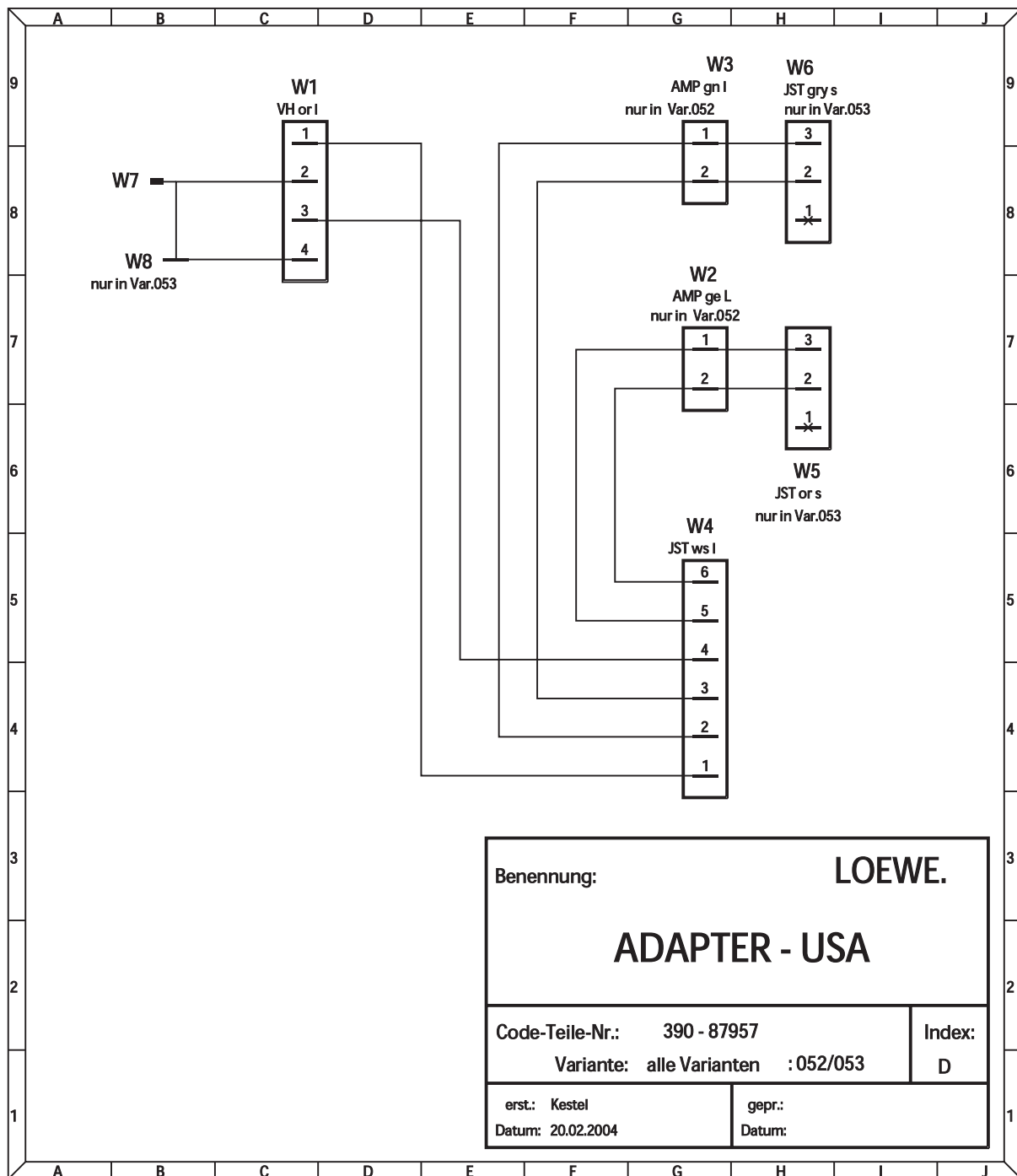
Control Unit P.C.B. 88668B Solder side



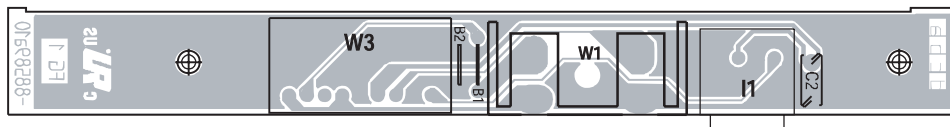
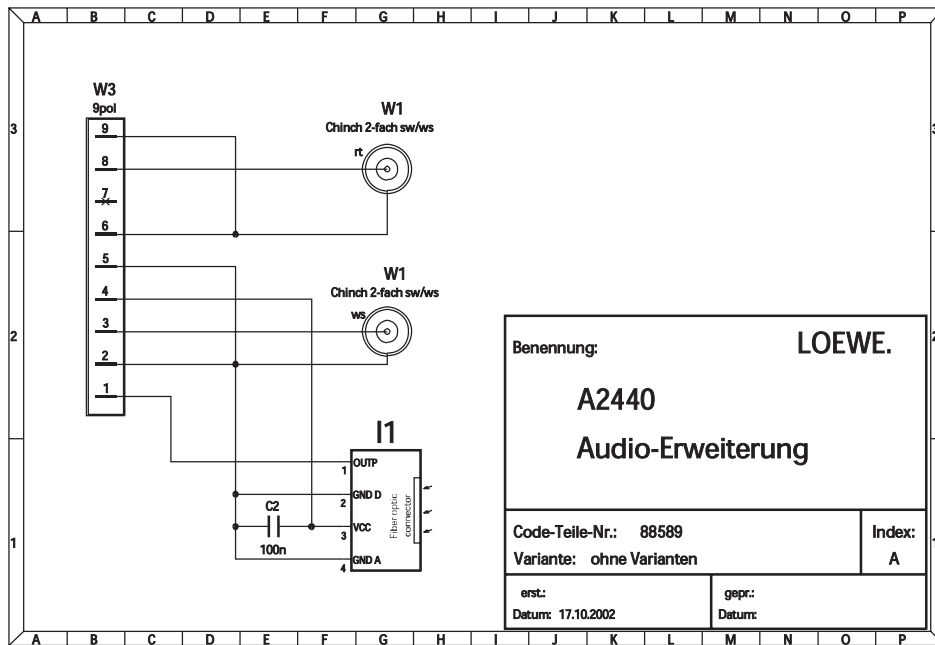
Sockets P.C.B. 88185G Components side



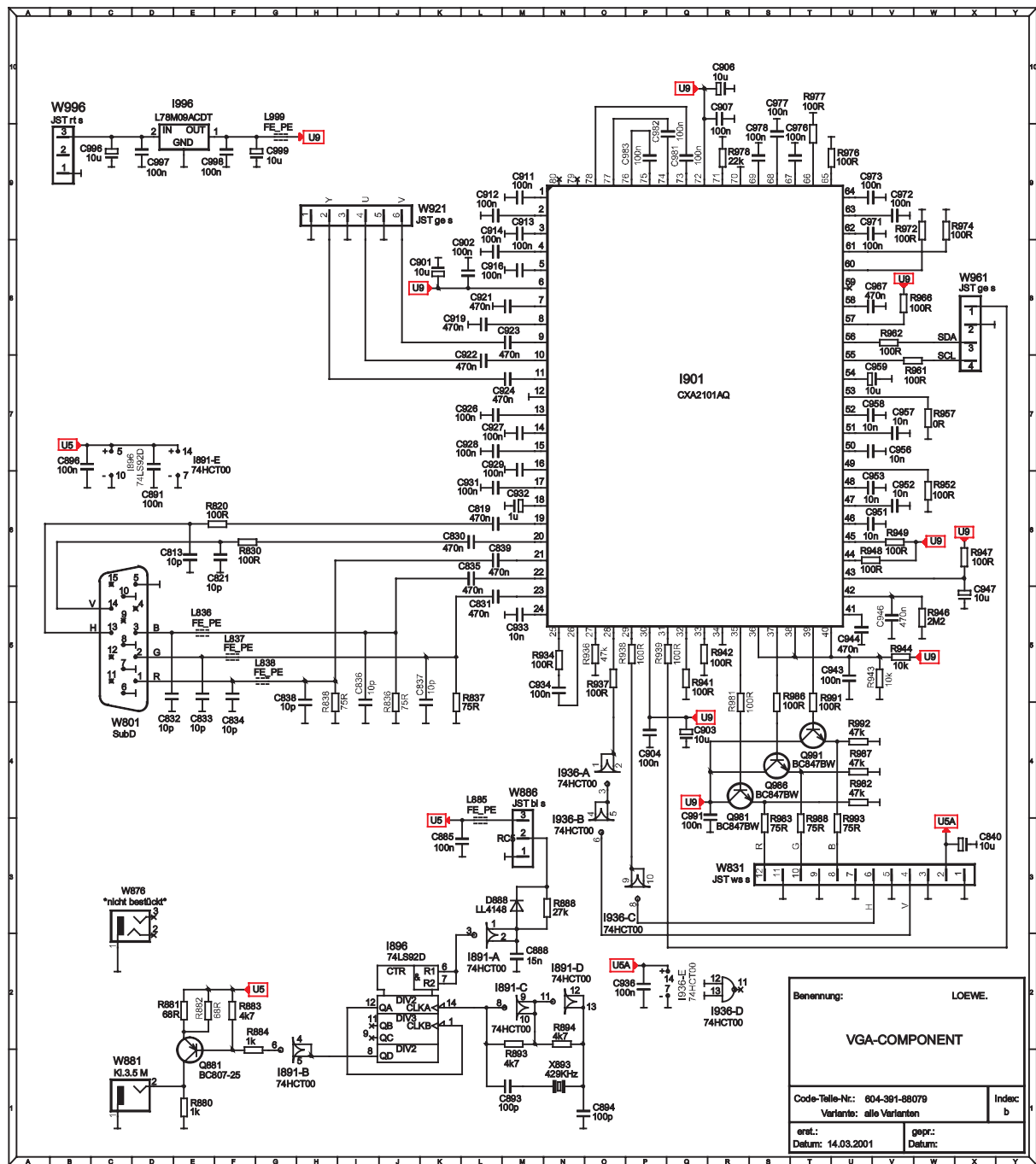
Sockets P.C.B. 88185G Solder side

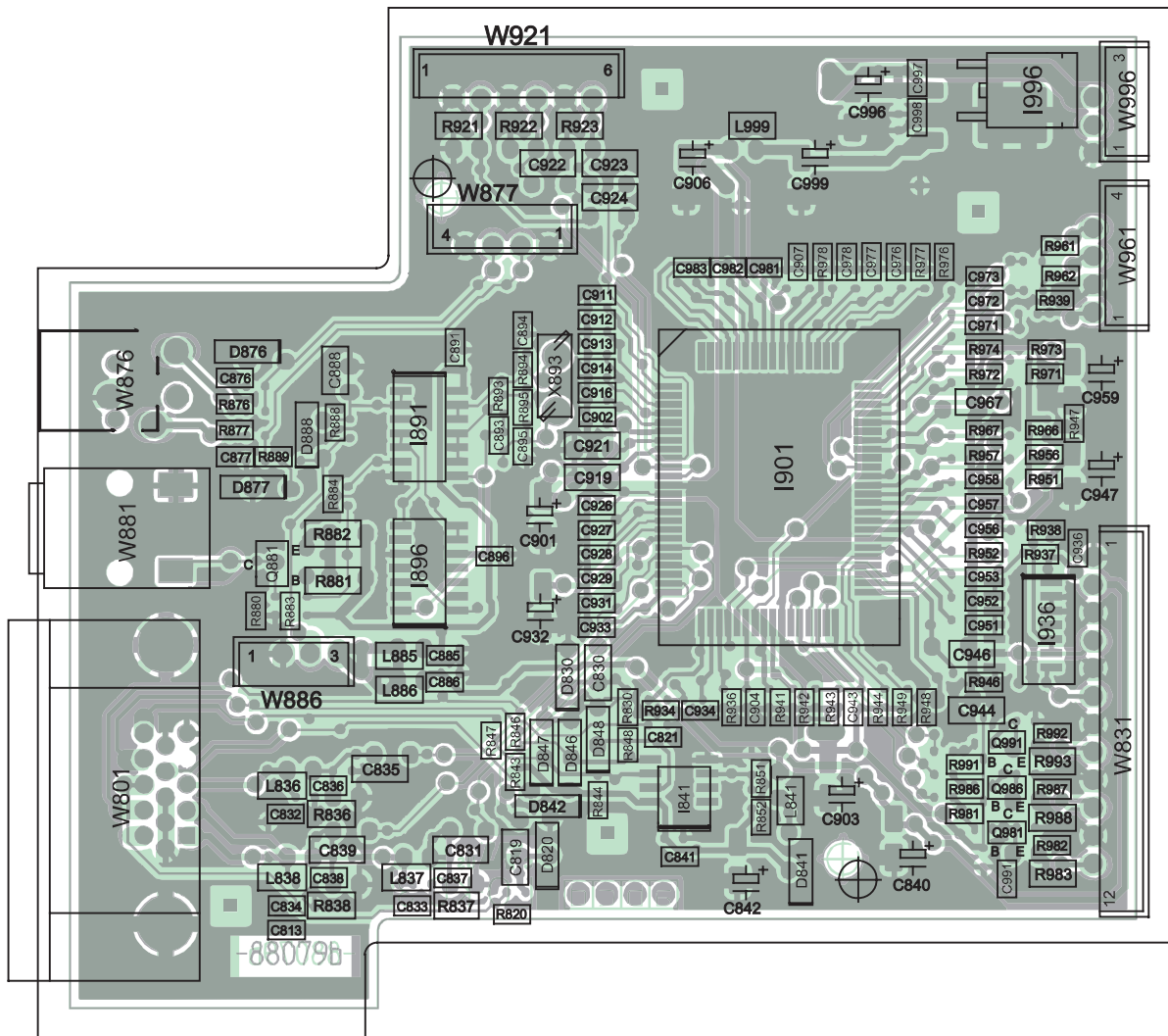


Adaptor_USA P.C.B. 87957D
Components side

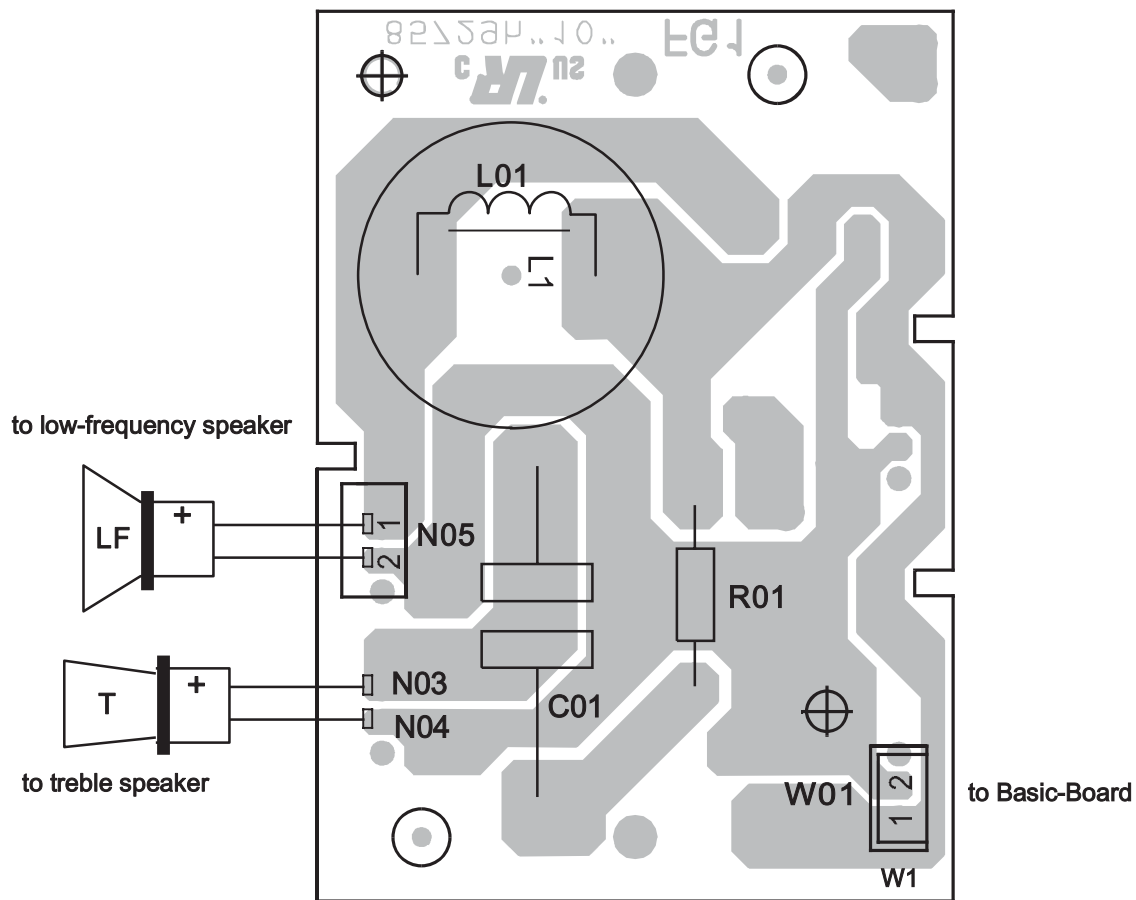
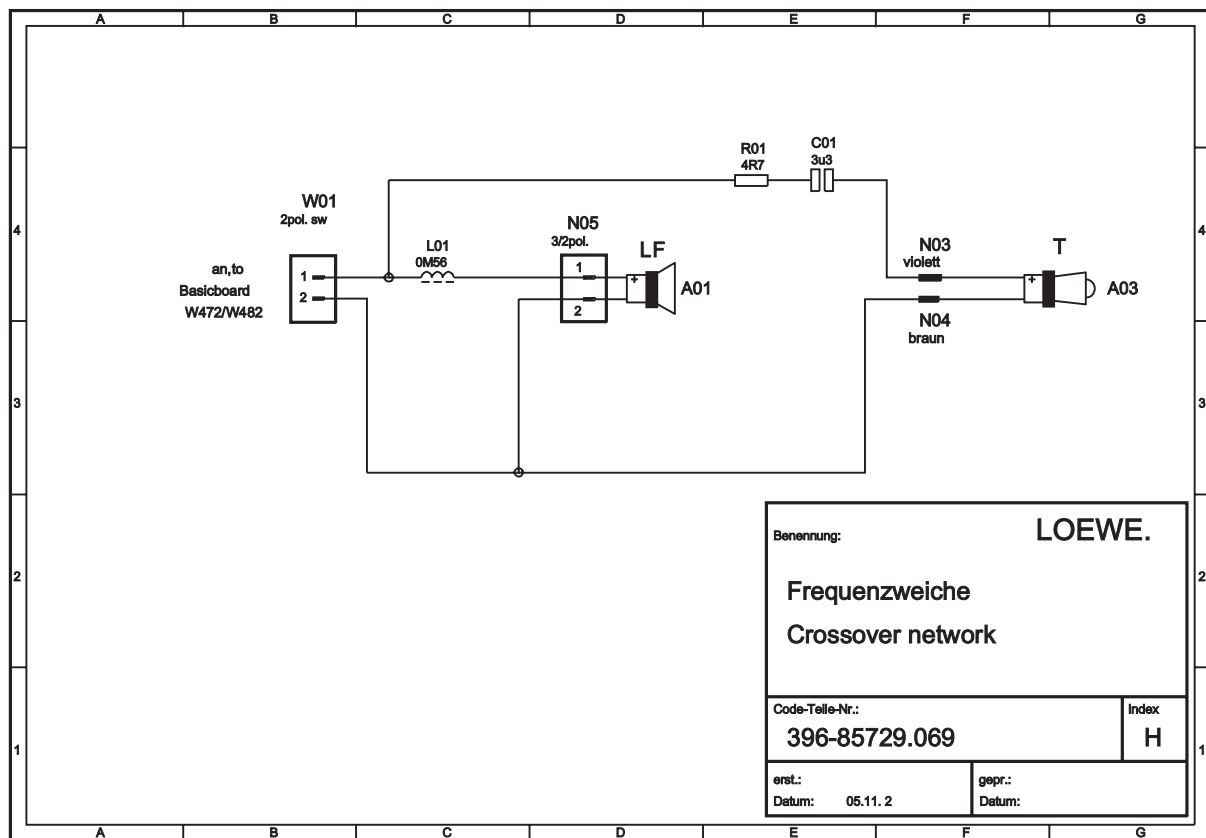


Audio Extension Module P.C.B. 88589A Components side

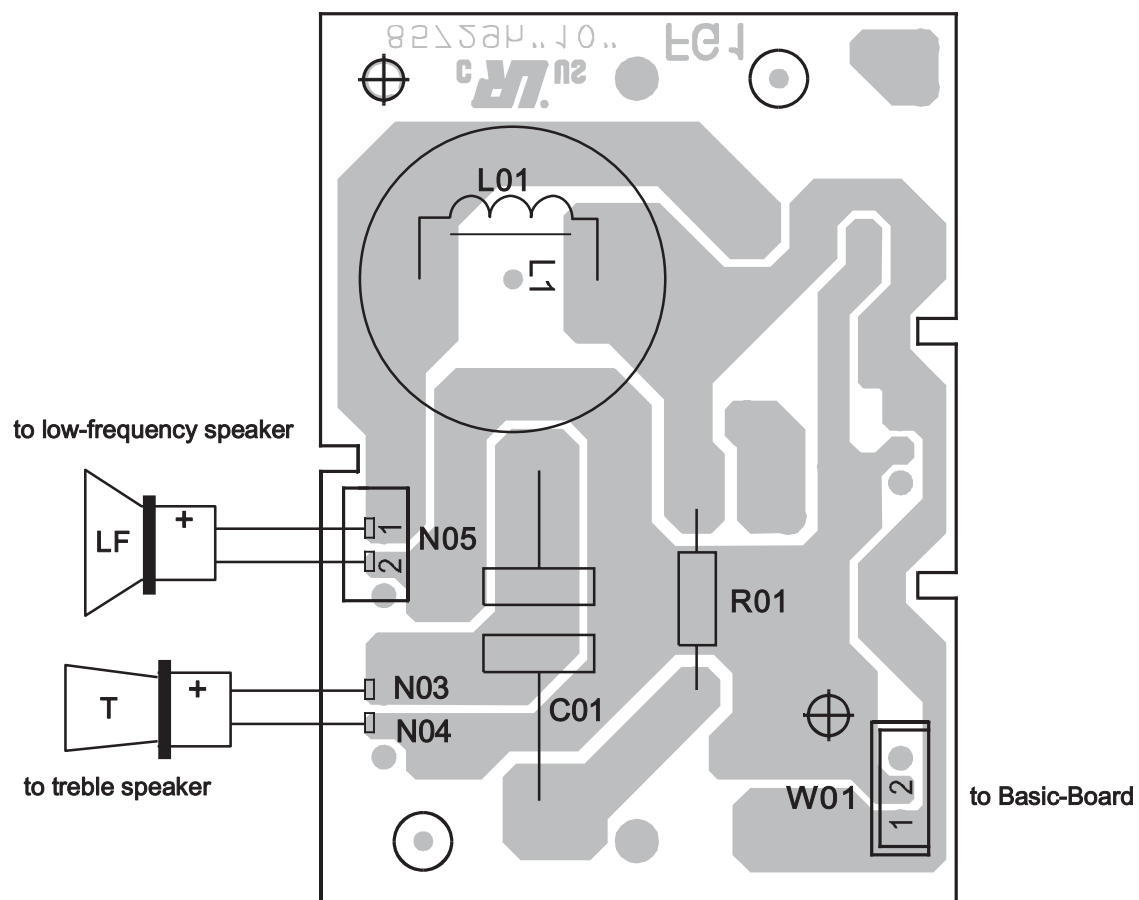
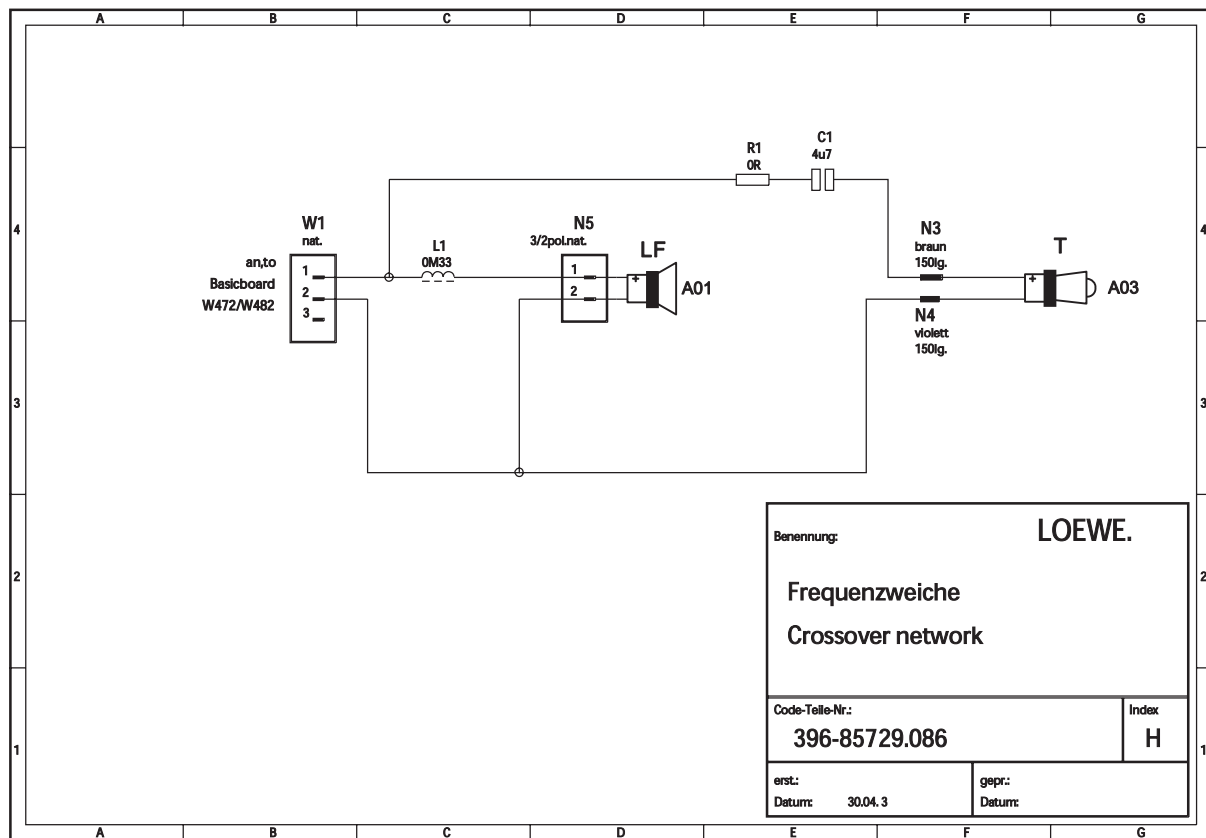




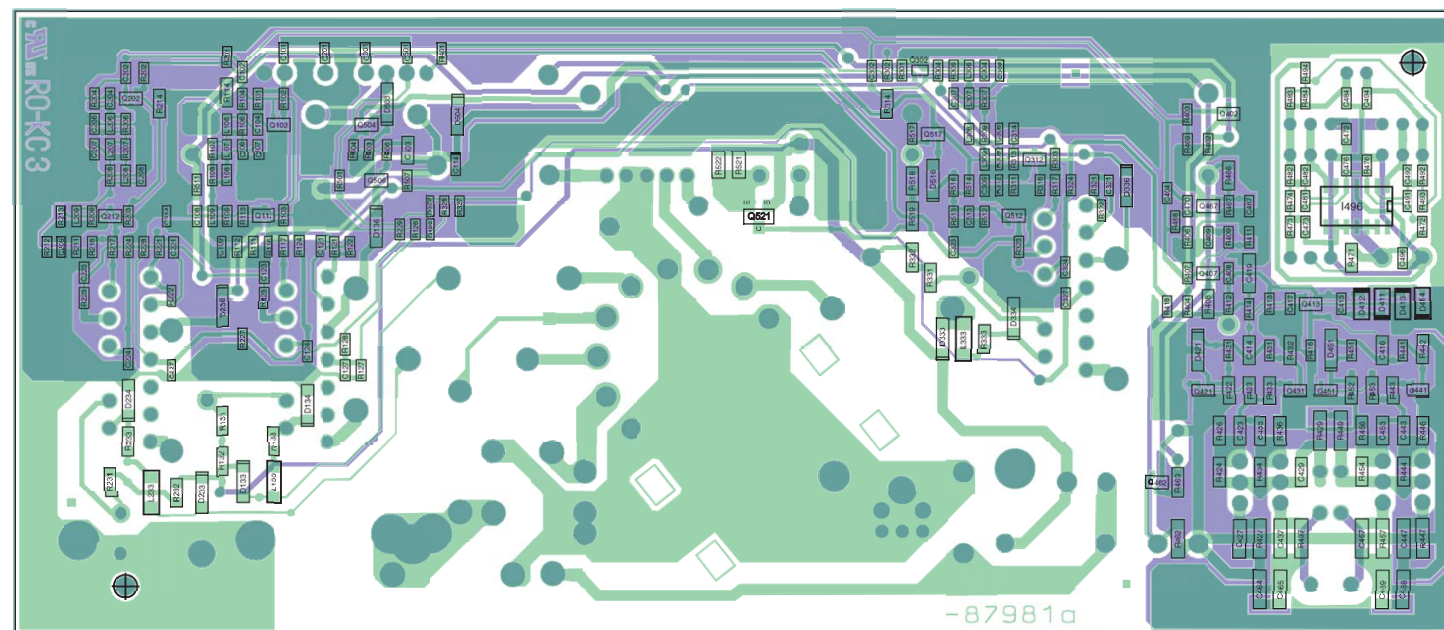
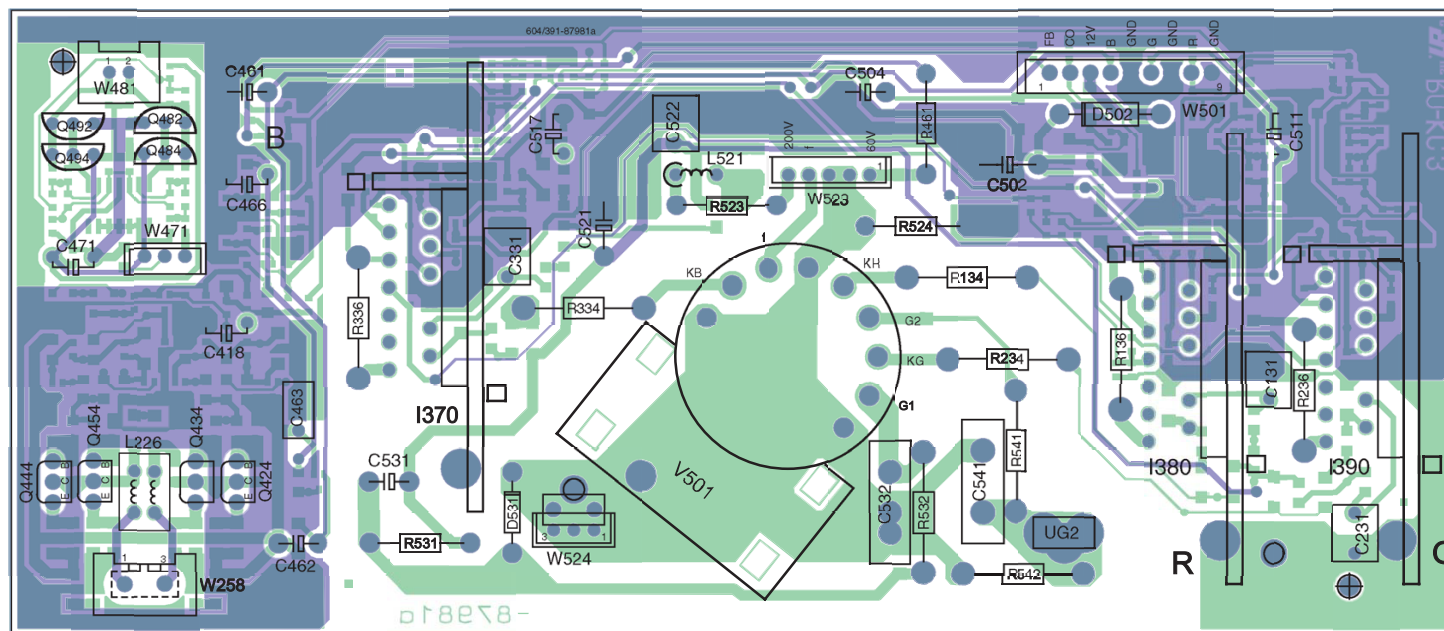
VGA Component P.C.B. 88079D Components side

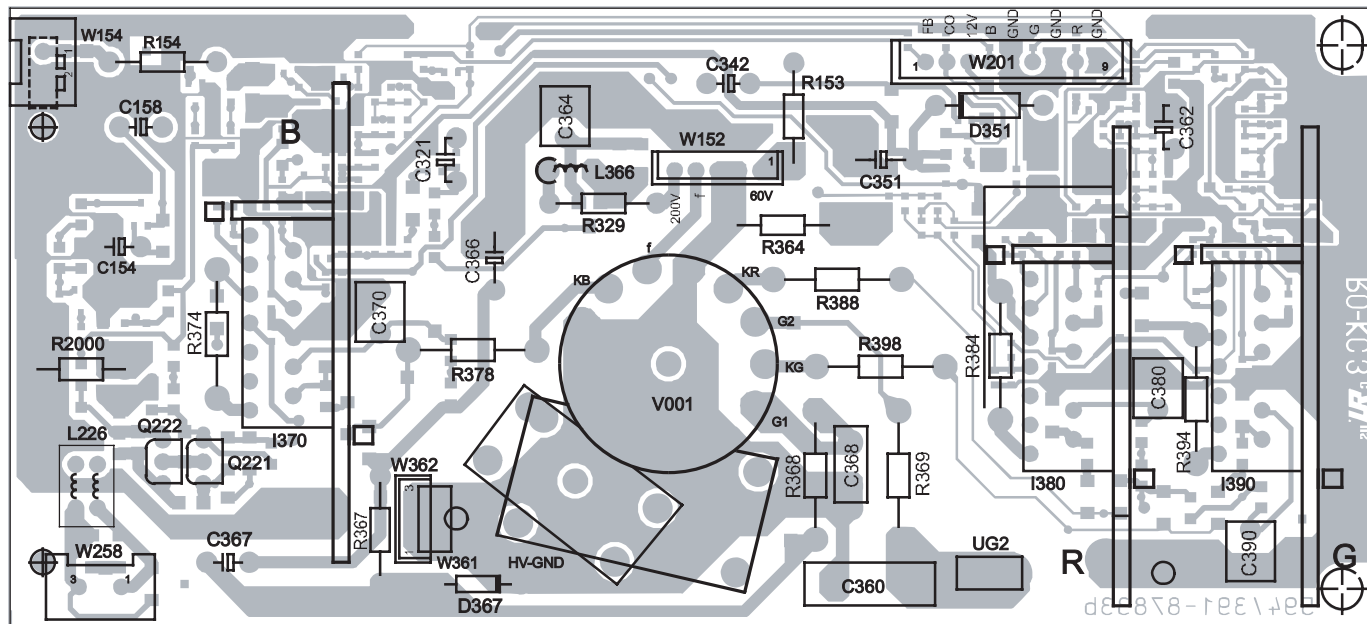


Cross-over network P.C.B 85729H069 Components side

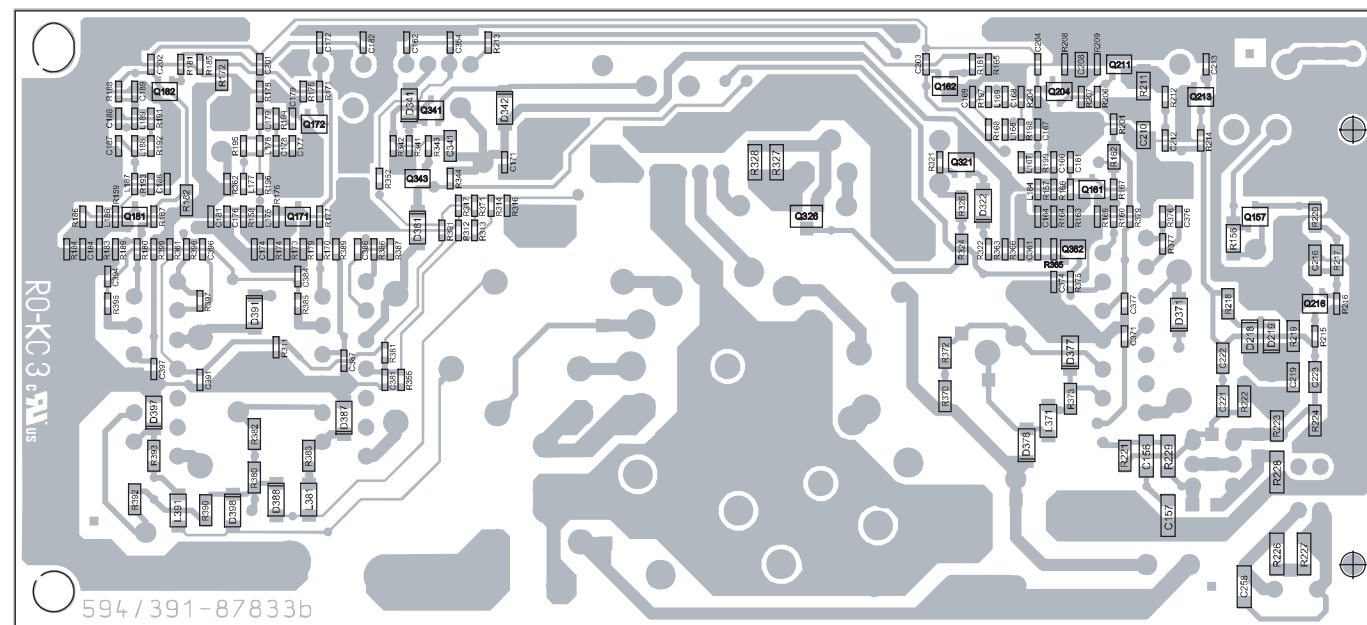


Cross-over network P.C.B 85729H086 Components side

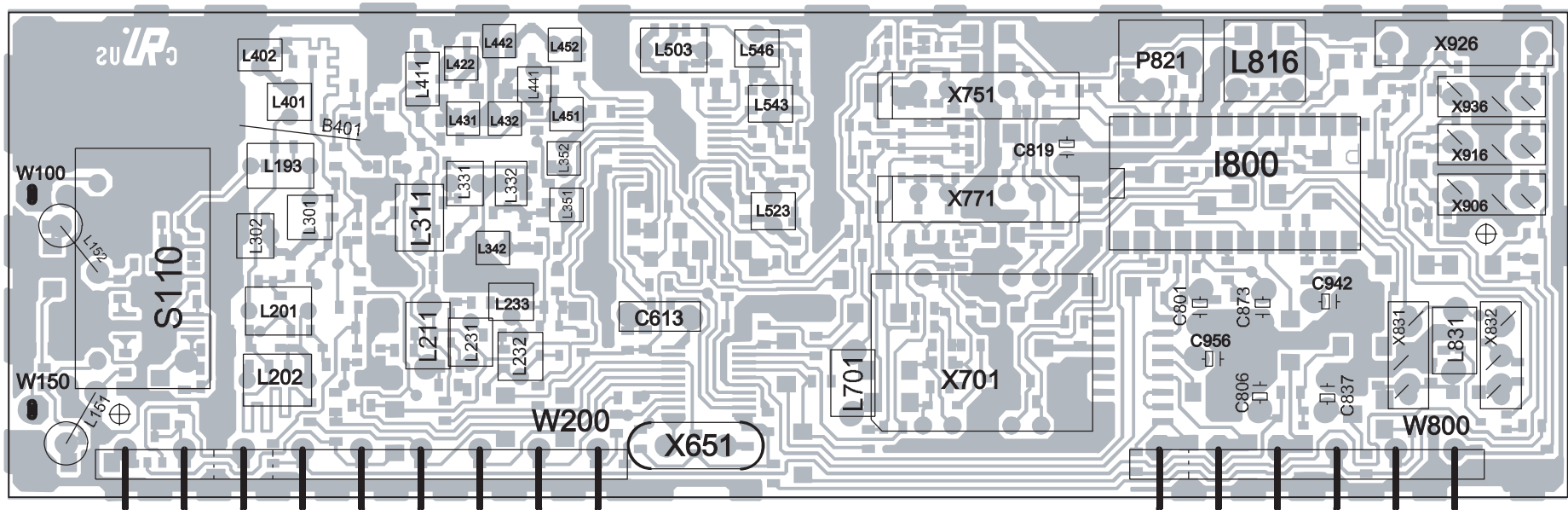




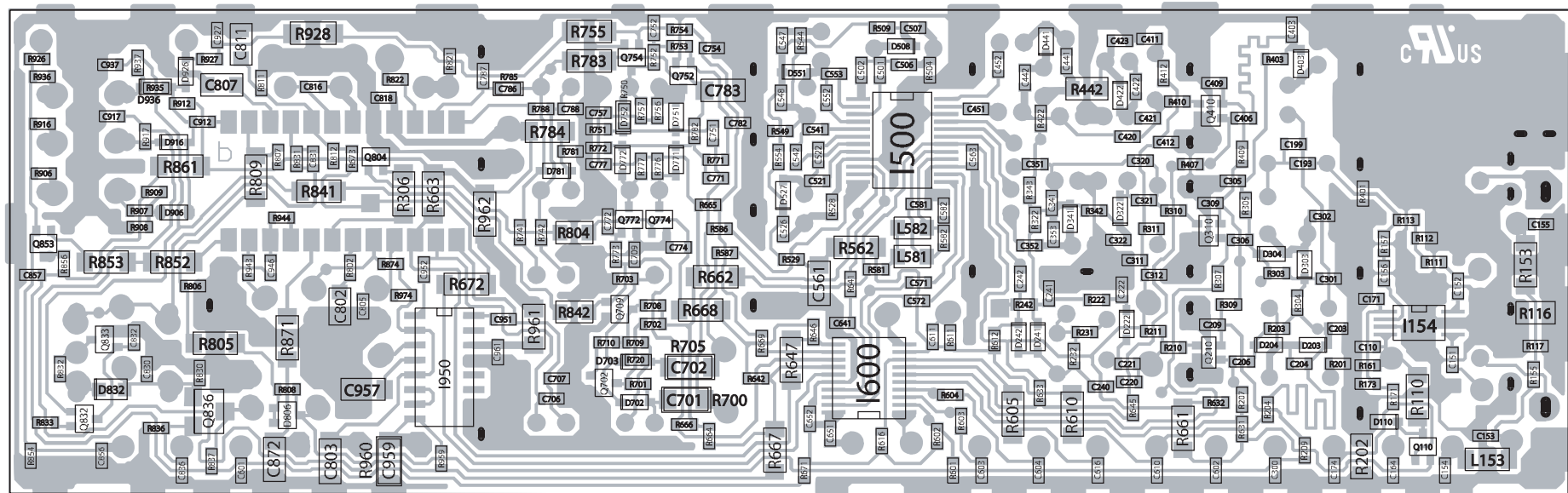
CRT P.C.B. 87833B Components side



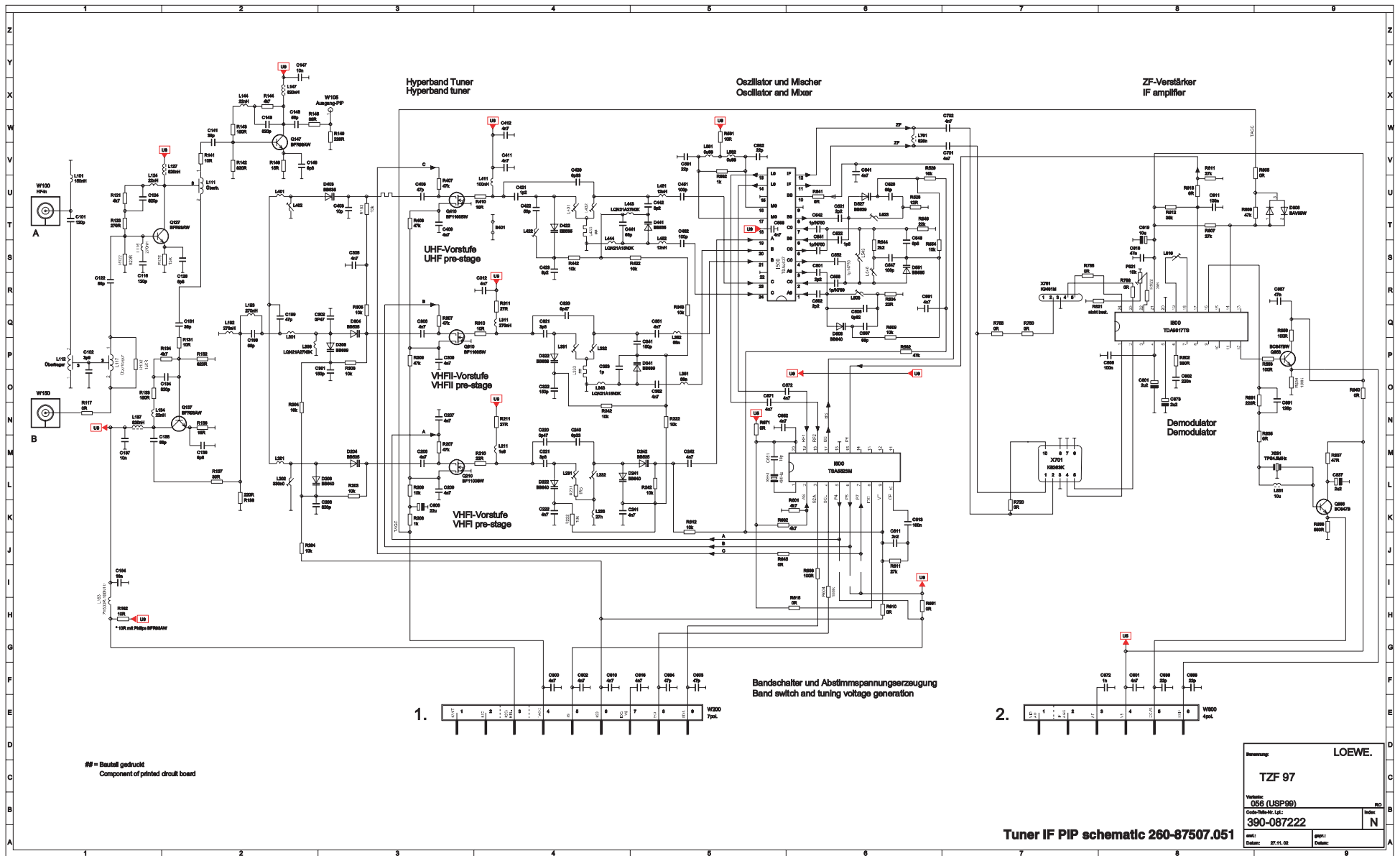
CRT P.C.B. 87833B Solder side

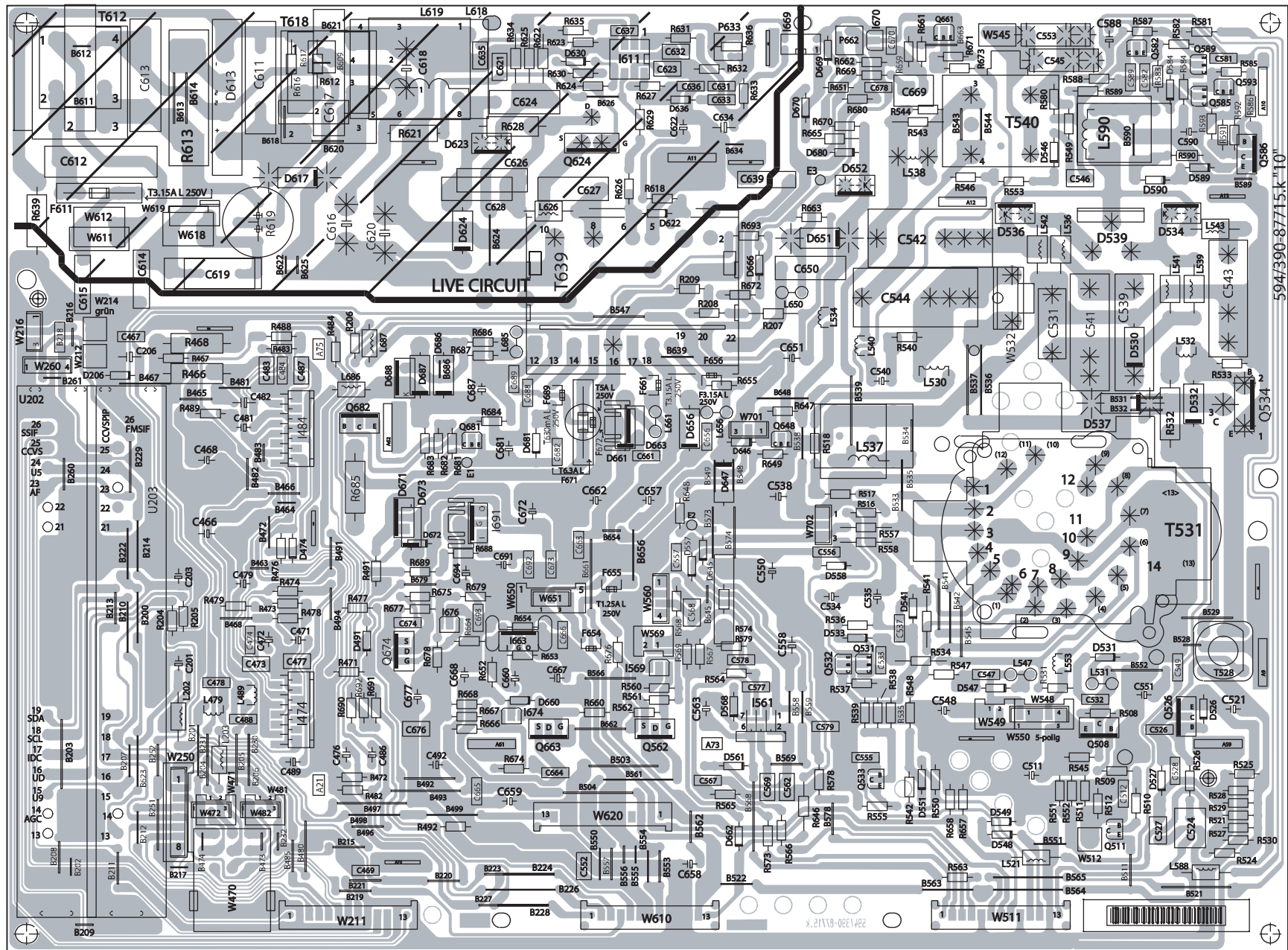


Tuner/IF P.C.B. 87526B Components side

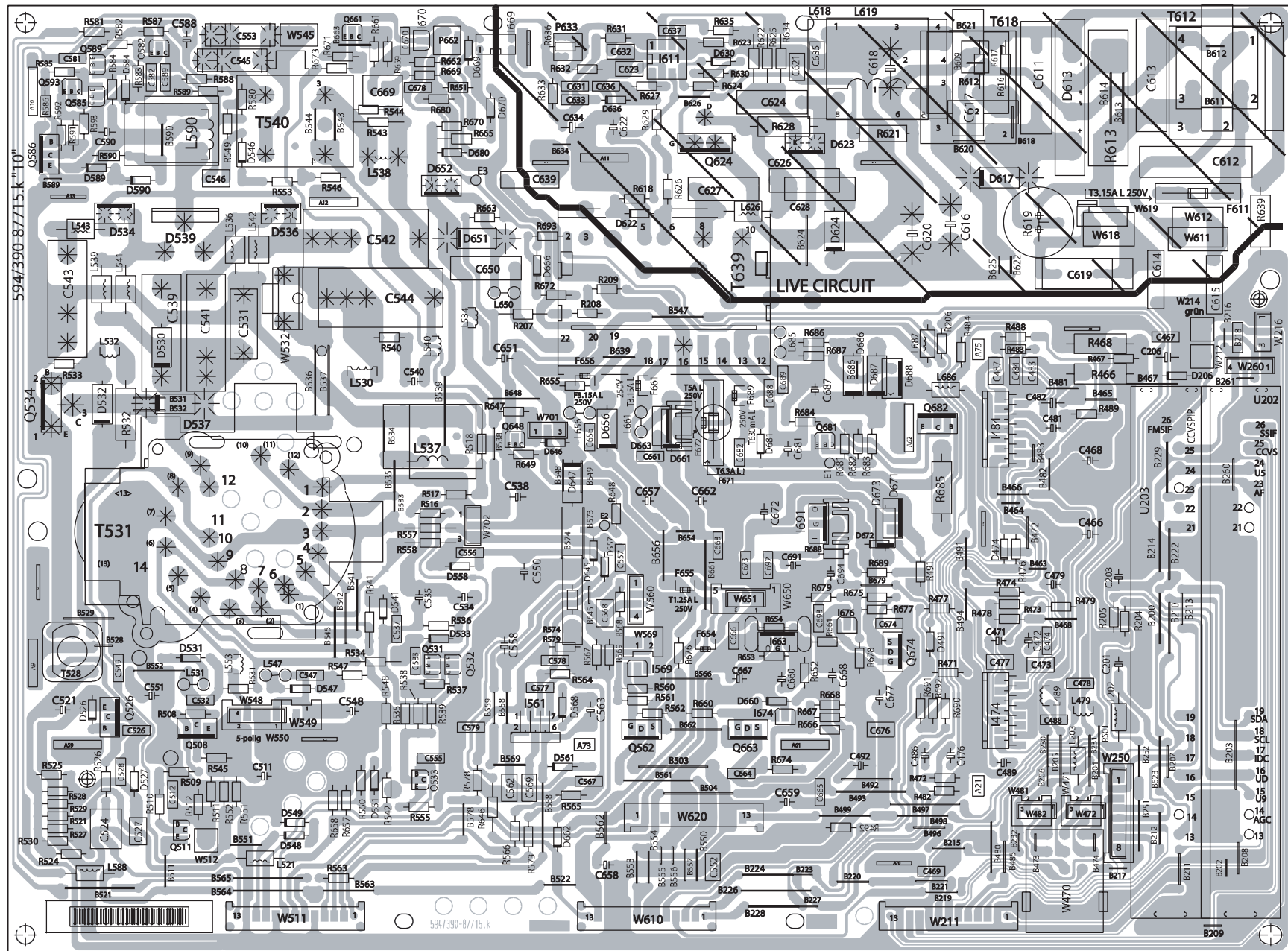


Tuner/IF P.C.B. 87526B Solder side





Basic Board P.C.B 87715K Components side



Basic Board P.C.B 87715K solder side

Components chart

<div>A 2440</div>		ACO 9383	62473.x20	ACO 9303	62471.x20	AVE 30	63408.x20	Articos 30	62474.x20	TV set type	Art.-N°
		Components									
Basic Board	396-87715.070		●	●	●	●				Set components	
Basic Board	396-87715.076	●									
Hyperband Tuner 8 MHz, US 1)	260-87346.050	●	●	●	●	●	●				
Hyperband Tuner 8 MHz, USP99 2)	260-87507.051	●	●	●	●	●	●				
Signal Board	396-88529.050	●	●								
Signal Board	396-88529.052				●						
Signal Board	396-88529.053							●			
Control Board	396-87819.081	●	●								
Control Board	396-88668.050				●						
Sockets Board	396-88185.050							●			
Standby Power Supply	396-88537.050							●			
Picture Tube Board	396-87981.050	●									
Picture Tube Board	396-87833.055		●	●	●	●					
CRT 40" W 97 AJG 14 X 08 16:9	345-28988	●									
CRT 32" W 76 ERF 072 X 44 16:9	345-31557		●					●			
CRT 32" W 76 ERF 042 X 44 16:9	345-29618				●						
DIS Module	396-88608.050	●	●					●			
Audio Extension Module	396-88589.050	●	●					●			
Adapter A2440	396-87957.052	●	●								
Adapter A2440	396-87957.053				●	●					
EBS VGA Component A2440	396-87808.005	●	●	●	●	●		●			
Cross-Over Network	396-85729.069		●								
Cross-Over Network	396-85729.086							●			
Remote Control	263-87000.063	●									
Remote Control	263-87000.066		●	●	●	●					

1) USA type for consumer electronic • 2) USA-PIP type for consumer electronic

CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so."

ACO 9383

62473.x20

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	UNITS		
250	Bildrohrplatte kpl. 30MHz A2400 ACO/ART	P.C.B	396-87981.050	
721	Sign.-Board kpl. A2440	P.C.B	396-88529.050	
970	EBS VGA Component A24/A244	Scaffolding Access	291-87808.005	
980	Adapter A2440 kpl.	P.C.B	396-87957.052	
U2440	Basic-Board kpl. A2440 TU-USP99,US/38"	P.C.B	396-87715.076	
U8211	Modul-Bedienung kpl. ACONDA A24/A244	P.C.B	396-87819.081	
	DRUCKSACHEN	OPERATING INSTRUCTIONS		
500	BAN -GB- AVE 30/ACO/ARTICOS 30 A2440	Operating Instructions	233-31123.020	
502	BAN -F- AVE 30/ACO/ARTICOS 30 A2440	Operating Instructions	233-31123.040	
503	BAN -E- AVE 30/ACO/ARTICOS 30 A2440	Operating Instructions	233-31123.050	
540	Kurzanleitung -GB A2440 MIDR.	Operating Instructions	233-31136.020	
541	Kurzanleitung -F A2440 MIDR.	Operating Instructions	233-31136.040	
542	Kurzanleitung -E A2440 MIDR.	Operating Instructions	233-31136.050	
570	Garantie und Antwortkarte A24/244	Guaranty Card	224-28352.002	
	GERÄTEBEIPACK	Set SUPPLEMENT		
511	Adapterleitung VGA 15-pol.	Connecting Cable	169-88674.001	
512	Verbindungs. Cinch-Klinke 2000lg.	Connecting Cable	169-88314.002	
700	IR-Fernbedienung CONTROL USA arktis	Transmitter	263-87000.066	
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
H881	Noppenstreifen selbstklebend	Felt Strip	414-29337	
N402	Adapter Lautsprecheranschluß Q2500	Plug	321-29382	
U0002	Adapter Antenne IEC-F männlich	Socket	323-28138	
	VERPACKUNGSMATERIAL	PACKING MATERIAL		
102	Schutzstreifen 1600x1250mm	Protective Packing	253-84666.022	
513	Klarsichtbeutel 240x320 bedr.	Protective Packing	253-28416	
600	Schachtel ACONDA 93102	Packing Case	245-88322.002	
610	Verpackungsformteil ACONDA 93102	Cushion-Set	252-88323.050	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	VERBINDUNGSLEITUNG	CONNECTING CABLES		
N8102	Netzkabel USA mit Drossel 3200lg.	Power Cord	170-87684.002	
	KNÖPFE	BUTTONS		
320	Tastenset für Servicefunktionen schwarz	Button	682-87685.121	
350	Knopf/Netzschalter schwarz	Button	682-86697.002	
	GEHÄUSETEILE	Cabinet MOUNTING		
101	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
103	Führungsschiene	Guide	553-87855.721	
105	Gehäusefuß schwarz	Foot	783-88016.022	
106	Stütze A2400	Support	551-87854.711	
107	Zwischenstück Gummiprofil	Damping Rubber	406-30876	
112	Filzzuschnitt 30x5x1	Felt Strip	414-27413	
113	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
114	Filzstreifen 0,5x5x340mm	Felt Strip	414-28825	
121	Schraube K5,0x20,0 Torx T25 WN5451	Screw	440-29371	
122	Zugentlastung	Cable Binding	530-30766	
123	Metallplatte ACONDA 93102	Spring Contact	309-29360	
20	Schraube K3,0x12,0 Torx sw-chrom.	Screw	440-28906	
301	EJOT-PT-Schraube KL11,5x40	Screw	440-29047	
310	Vliesronde 7,5x0,5	Felt Strip	414-30794	

ACO 9383**62473.x20**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	GEHÄUSETEILE	Cabinet MOUNTING		
311	Magnet D 8x4	Magnet	303-28596	
330	Ölsilikondämpfer	Gear Wheel	616-28668	
331	Schraube EJOT-PT 3,0x8 KB30x8	Screw	440-23640	
710	40Z W97AJG14X08 (38V)	Picture Tube	345-28988	
724	Schraube K3,0x12,0 Torx sw-chrom.	Screw	440-28906	
G100	Gehäuse hgl-schwarz ACONDA 93102	Cabinet	750-88237.712	L20
G100	Gehäuse basalt-hochglanz ACONDA 9383	Cabinet	750-88237.715	M20
G110	Rückwand graphit ACONDA 93102	Backcover	775-88238.704	
G111	Zwischenstück natur	Cover	568-85727.101	
G112	Abdeckung Rückwand graphit ACONDA 93102	Mask	703-88239.204	
G310	Klappe kpl. hgl-schwarz	Cover Plate	706-87745.101	L20
G310	Klappe kpl. basalt hochglanz	Cover Plate	706-87745.115	M20
G311	Scharnier für Klappe ACONDA 93102	Hinge	573-88241.001	
H1996	Abdeckung/SCART A2440	Mask	703-87883.741	
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
L6001	Entmagn.-Spule 38" A2400	Coil	297-88037.002	
L6002	Spule Rotation	Coil	297-29074	
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
306	Kabelhalter auf Kühblech NF	Cable Binding	530-20935	

ACO 9303**62471.x20**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	UNITS		
721	Signal-Board kpl. A2440	P.C.B	396-88529.050	
830	Lpl. Frequenzweiche kpl. ACO/CAL A24/A244	P.C.B	396-85729.069	
970	EBS VGA Component A24/A244	Scaffolding Access.	291-87808.005	
980	Adapter A2440 kpl.	P.C.B	396-87957.052	
U2440	Basic-Board kpl. A2440 TU-USP99,US/32"	P.C.B	396-87715.070	
U3371	Bildrohrpl./SVM kpl. A24/A244 16:9 (RF)	P.C.B	396-87833.055	
U8211	Modul-Bedienung kpl. ACONDA A24/A244	P.C.B	396-87819.081	
	DRUCKSACHEN	OPERATING INSTRUCTIONS		
500	BAN -GB- ARTICOS 30/ ACO 9303/9383 A2440	Operating Instructions	233-31018.021	
540	Kurzanleitung -GB A2440 high	Operating Instructions	233-31085	
570	Garantie und Antwortkarte A24/244	Guaranty Card	224-28352.002	
	GERÄTEBEIPACK	Set SUPPLEMENT		
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
H881	Noppenstreifen selbstklebend	Felt Strip	414-29337	
U0002	Adapter Antenne IEC-F männlich	Socket	323-28138	
U9111	IR-Fernbedienung CONTROL USA arktis	Transmitter	263-87000.063	
	VERPACKUNGSMATERIAL	PACKING MATERIAL		
102	Schutzstreifen (A)	Protective Packing	253-20816	
600	Faltschachtel	Packing Case	245-87749.002	
610	Packschalen-Satz 32" ACONDA	Cushion-Set	252-87742.050	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	VERBINDUNGSLEITUNG	CONNECTING CABLES		
N402	Adapter Lautsprecheranschluß Q2500	Plug	321-29382	
N8102	Netzkabel USA mit Drossel 3200lg.	Power Cord	170-87684.002	
	KNÖPFE	BUTTONS		
320	Tastenset für Servicefunktionen schwarz	Button	682-87685.121	
350	Knopf/Netzschalter schwarz	Button	682-86697.002	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	GEHÄUSETEILE	CABINET MOUNTING		
101	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
103	Führungsschiene	Guide	553-87855.001	
105	Gehäusefuß farblos	Foot	783-82251.105	
106	Stütze A2400/A2440	Support	551-87854.701	
113	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
114	Filzstreifen 0,5x5x340mm	Felt Strip	414-28825	
115	Klebestreifen für Rückwand	Foam Plastics Ledge	411-20926	
20	Schraube K3,0x12,0 Torx sw-chrom.	Screw	440-28906	
200	Distanzstück	Clutch Piece	503-24754	
201	EJOT-PT-Schraube 10,0x45 K100x45	Screw	440-19149	
230	Halter/Entmag.	Holder	602-87243.001	
301	EJOT-PT-Schraube KL11,5x40	Screw	440-29047	
311	Magnet D 8x4	Magnet	303-28596	
330	Ölsilikondämpfer	Gear Wheel	616-28668	
331	Schraube EJOT-PT 3,0x8 KB30x8	Screw	440-23640	
710	32Z W76ERF042X044	Picture Tube	345-29618	
724	Schraube K3,0x12,0 Torx sw-chrom.	Screw	440-28906	
G100	Gehäuse hgl.-schwarz	Cabinet	750-87747.702	L20
G100	Gehäuse lightsilver	Cabinet	750-87747.716	B20
G110	Rückwand schwarz	Backcover	775-87748.702	L20
G110	Rückwand platin	Backcover	775-87748.709	B20
G111	Zwischenstück natur	Cover	568-85727.101	
G112	Abdeckung Rückwand	Mask	703-87756.102	L20
G112	Abdeckung Rückwand platin	Mask	703-87756.109	B20
G310	Klappe kpl. hgl.-schwarz	Cover Plate	706-87745.101	L20
G310	Klappe kpl. lightsilver	Cover Plate	706-87745.109	B20
G311	Scharnier für Klappe	Hinge	573-87744.101	
G350	Zierritter	Speaker Grille	708-87746.102	L20
G350	Zierritter lightsilver	Speaker Grille	708-87746.115	B20
H1996	Abdeckung/SCART A2440	Mask	703-87883.741	
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
800	Lautspr. Z= 4 Ohm 20W TT	Loudspeaker	272-87846	
810	Lautspr. 4 Ohm 20W HT	Loudspeaker	272-86411	
L6001	Entmagn.-Spule 32/33"A24/A244	Coil	297-88037.001	
L6002	Spule Rotation mit Lpl. Q25/A244 JST	Coil	297-29299	
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
305	Clamper	Cable Binding	530-21237	
306	Kabelhalter auf Kühlblech NF	Cable Binding	530-20935	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	UNITS		
970	EBS VGA Component A24/A244	Scaffolding Access.	291-87808.005	
980	Adapter A2440 kpl. (JST)	P.C.B	396-87957.053	
U2440	Basic-Board kpl. A2440 TU-USP99,US/32"	P.C.B	396-87715.070	
U2441	Signal-Board kpl. A2440 (AVE 30)	P.C.B	396-88529.052	
U3371	Bildrohrpl./SVM kpl. A24/A244 16:9 (RF)	P.C.B	396-87833.055	
U8211	Bedienteil kpl. AVENTOS A2440	P.C.B	396-88668.050	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	DRUCKSACHEN	OPERATING INSTRUCTIONS		
500	BAN -GB- AVE 30/ACO/ARTICOS 30 A2440	Operating Instructions	233-31123.020	
502	BAN -F- AVE 30/ACO/ARTICOS 30 A2440	Operating Instructions	233-31123.040	
503	BAN -E- AVE 30/ACO/ARTICOS 30 A2440	Operating Instructions	233-31123.050	
504	Kurzanleitung -GB A2440 MIDR.	Operating Instructions	233-31136.020	
505	Kurzanleitung -F A2440 MIDR.	Operating Instructions	233-31136.040	
506	Kurzanleitung -E A2440 MIDR.	Operating Instructions	233-31136.050	
570	Garantie und Antwortkarte A24/244	Guaranty Card	224-28352.002	
	GERÄTEBEIPACK	Set SUPPLEMENT		
511	Adapterleitung VGA 15-pol.	Connecting Cable	169-88674.001	
512	Verbindungs. Cinch-Klinke 2000lg.	Connecting Cable	169-88314.002	
700	IR-Fernbedienung CONTROL USA arktis	Transmitter	263-87000.066	
A0640	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
U0002	Adapter Antenne IEC-F männlich	Socket	323-28138	
	VERPACKUNGSMATERIAL	PACKING MATERIAL		
102	Schutzstreifen (A)	Protective Packing	253-20816	
107	Spreizniet für AVENTOS 81	Rivet	453-31196	
108	Polster links AVENTOS 81	Foam Plastics Plate	412-88717.001	
109	Polster rechts AVENTOS 81	Foam Plastics Plate	412-88717.011	
513	Klarsichtbeutel 240x320 bedr.	Protective Packing	253-28416	
600	Schachtel AVE 30	Packing Case	245-88531.702	
610	Verpackungsformteil AVENTOS 81	Cushion-Set	252-88532.050	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	
	VERBINDUNGSLEITUNG	CONNECTING CABLES		
N402	Adapter Lautsprecheranschluß Q2500	Plug	321-29382	
N8102	Netzkabel USA mit Drossel 3200lg.	Power Cord	170-87684.002	
	KNÖPFE	BUTTONS		
G320	Tastenset für Servicefunktionen graphit	Button	682-87685.204	L20
G320	Tastenset für Servicefunktionen platin	Button	682-87685.209	A20
G330	Knopf graphit AVENTOS	Button	682-88528.004	L20
G330	Knopf platin AVENTOS / ARTICOS 55	Button	682-88528.009	A20
	GEHÄUSETEILE	CABINET MOUNTING		
101	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
103	Führungsschiene	Guide	553-87855.001	
104	Filzstreifen 0,5x5x340mm	Felt Strip	414-28825	
106	Stütze AVENTOS	Support	551-87854.081	
110	Kabelhalter schwarz	Cable Binding	530-87903.002	
111	Filzstreifen 5x1,2x690,5mm	Felt Strip	414-29740.002	
113	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
200	Distanzstück	Clutch Piece	503-24754	
201	EJOT-PT-Schraube 10,0x45 K100x45	Screw	440-19149	
230	Halter/Entmag.	Holder	602-87243.001	
301	EJOT-PT-Schraube KL11,5x40	Screw	440-29047	
302	Schraube K4,0x11,4 Torx WN1452	Screw	440-20819	
307	Clamper	Cable Binding	530-20809	
331	IR-Fenster AVENTOS	Window	666-88527.001	
710	32Z W76ERF042X044	Picture Tube	345-29618	
712	584 Halter /li.	Holder	602-87501.001	
G100	Gehäuse graphit kpl. AVENTOS 30	Cabinet	750-88522.704	L20
G100	Gehäuse platin kpl. AVENTOS 30	Cabinet	750-88522.709	A20
G101	Distanzprofil	Damping Rubber	406-88761.001	
G105	Gehäusefuß farblos	Foot	783-88016.001	A20
G105	Gehäusefuß schwarz	Foot	783-88016.002	L20
G110	Rückwand graphit AVENTOS 30	Backcover	775-88523.704	L20
G110	Rückwand platin AVENTOS 30	Backcover	775-88523.709	A20
G111	Zwischenstück natur	Cover	568-85727.101	
H1996	Abdeckung/SCART A2440	Mask	703-87883.741	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
800	Lautsprecher 8 Ohm 12W BB (JST)	Loudspeaker	272-88438	
L6001	Entmagn.-Spule 32/33"A24/A244	Coil	297-88037.001	
L6002	Spule Rotation mit Lpl. Q25/A244 JST	Coil	297-29299	
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
305	Clamper	Cable Binding	530-21237	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	UNITS		
300	Stand-by Netzteil kpl. ARTICOS A2440	P.C.B	396-88537.050	
970	EBS VGA Component A24/A244	Scaffolding Access.	291-87808.005	
980	Adapter A24/A244 kpl. (JST)	P.C.B	396-87957.051	M20
980	Adapter A2440 kpl. (JST)	P.C.B	396-87957.053	A20
U2440	Basic-Board kpl. A2440 TU-USP99,US/32"	P.C.B	396-87715.070	
U2441	Signal-Board kpl. A2440	P.C.B	396-88529.053	
U3371	Bildrohrpl./SVM kpl. A24/A244 16:9 (RF)	P.C.B	396-87833.055	
	DRUCKSACHEN	OPERATING INSTRUCTIONS		
500	BAN -GB- ARTICOS 30/ ACO 9303/9383 A2440	Operating Instructions	233-31018	M20
500	BAN -GB- ARTICOS 30/ ACO 9303/9383 A2440	Operating Instructions	233-31018.021	A20
540	Kurzanleitung -GB A2440 high	Operating Instructions	233-31085	A20
570	Garantie und Antwortkarte A24/244	Guaranty Card	224-28352.002	
	GERÄTEBEIPACK	Set SUPPLEMENT		
511	Adapterleitung VGA 15-pol.	Connecting Cable	169-88674.001	A20
633	Reinigungstuch 30x30	Protective Covering	254-31107	A20
644	Mikrozelle 1,5V Alkali-Mangan	Accumulator	280-13411	
H881	Noppenstreifen selbstklebend	Felt Strip	414-29337	
U0002	Adapter Antenne IEC-F männlich	Socket	323-28138	
U9111	IR-Fernbedienung CONTROL USA arktis	Transmitter	263-87000.063	
	VERPACKUNGSMATERIAL	PACKING MATERIAL		
600	Schachtel ARTICOS 30	Packing Case	245-88184.702	
610	Packschalen-Satz ARTICOS 32	Cushion-Set	252-88192.050	
611	Schutzstreifen 1600x1250mm	Protective Packing	253-84666.022	
612	Schutzstreifen	Protective Packing	253-84666.025	
630	Verpackungskarton für BAN+FB	Packing Case	245-88422.002	
631	Einlage für Verp.-Beipack ARTICOS	Accessories	256-86784.002	
643	PE-Schutzeinlage 265x480x1	Protective Packing	253-26221.001	
J0701	Schutzstreifen 350x190mm (IR-G.)	Protective Packing	253-84666.004	M20
	VERBINDUNGSLEITUNG	CONNECTING CABLES		
N402	Adapter Lautsprecheranschluß Q2500	Plug	321-29382	
N8102	Netzkabel USA mit Drossel 3200lg.	Power Cord	170-87684.002	
	GEHÄUSETEILE	CABINET MOUNTING		
100	Fuß Aluminium ARTICOS	Foot	783-88215.002	
101	Schraube K5,0x20,0 Torx T25 WN5451	Screw	440-29371	
102	Formstanzteil 38x20mm	Damping Rubber	406-29728	
103	Schallwand ARTICOS 30 vormontiert	Front Cover	776-88195.051	
106	Stütze	Support	551-87854.031	
107	Filzzuschnitt OM 25x1,65 sw	Felt Strip	414-27523	
110	Kabelhalter schwarz	Cable Binding	530-87903.002	
111	Filzstreifen 10x20	Felt Strip	414-25190	
112	Schraube K4,0x11,4 Torx WN1452	Screw	440-20819	
113	Schraube K4,0x14,0 Torx sw-vzkt.	Screw	440-27723	
114	Filzzuschnitt 20x310mm schwarz	Felt Strip	414-31102	A20

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	GEHÄUSETEILE	CABINET MOUNTING		
20	Schraube K3,0x12,0 Torx sw-chrom.	Screw	440-28906	
200	Distanzstück	Clutch Piece	503-24754	
201	EJOT-PT-Schraube 10,0x45 K100x45	Screw	440-19149	
230	Halter/Entmag.	Holder	602-87243.001	
602	Filterscheibe ARTICOS 30	Window	666-88188.105	
603	Filzstreifen 5x1,2x383,5mm	Felt Strip	414-29740.001	
604	Filzstreifen 5x1,2x690,5mm	Felt Strip	414-29740.002	
710	32Z W76ERF042X044	Picture Tube	345-29618	
724	Schraube K3,0x12,0 Torx sw-chrom.	Screw	440-28906	A20
98	Filzstreifen 10x20	Felt Strip	414-25190	
G100	Gehäuse unlackiert ARTICOS	Cabinet	750-88191.701	
G102	Frontblende basalt-hgl. ARTICOS vorm.	Cabinet	757-88189.755	M20
G102	Frontblende platin ARTICOS vormontiert	Cabinet	757-88189.759	A20
G110	Rückwand platin ARTICOS	Backcover	775-88194.709	A20
G110	Rückwand basalt-hgl. ARTICOS	Backcover	775-88194.715	M20
G111	Zwischenstück natur	Cover	568-85727.101	
G112	Abdeckung Rückwand platin ARTICOS	Mask	703-88187.009	A20
G112	Abdeckung Rückwand basalt-hgl. ARTICOS	Mask	703-88187.015	M20
G310	Bedienteilträger basalt-hgl. ARTI.vorm.	Supporter	541-88171.755	M20
G310	Bedienteilträger platin ARTICOS vorm.	Supporter	541-88171.759	A20
G350	Zierblende Aluminium ARTICOS	Cover Plate	705-88193.002	
H1996	Abdeckung/SCART A2440	Mask	703-87883.741	
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
L6001	Entmagn.-Spule 32/33"A24/A244	Coil	297-88037.001	
L6002	Spule Rotation mit Lpl. Q25/A244 JST	Coil	297-29299	

Basic-Board A2440

Basic Board A2440

Art.-Nr. 87715.070/076

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var.
	BAUGRUPPEN	UNITS		
30	Dyn. Focusblock (Focus/UG2)	Scaffolding Access.	291-28956	
R619	Lpl. Degaussing Modul kpl.	P.C.B	396-87862.050	
U202	Tuner-ZF USP99	Tuner	260-87507.051	
U203	574 Tuner-ZF US	Tuner	260-87346.050	
	GEHÄUSETEILE	CABINET MOUNTING		
H662	Schraube K3,0x12,0mm WN1451 Torx	Screw	438-21904	
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
10	Trafo Wandler A2400/A2400	Power Transformer	490-28839	
L202	Dr. 47uH	Choke	298-16925	
L203	Dr. 4330 030 38100 VAL	Choke	298-14399	
L534	Dr. 150uH	Choke	298-79726.020	
L537	Brückenspule 200uH	Coil	297-29393	
L538	Lin.-Regler	Deflection Unit	278-26787	070
L538	Lin.-Regler 4,6µH	Deflection Unit	278-29392	076
T528	Treiberspule	Coil	297-23664	
T531	Zeilentrafo 28/32/37/38"	Line Transformer	276-27373	
T540	Trafo AT 4043/67A	Power Transformer	490-21351	
T612	Dr. 2x 6mH8 3,2A RK28	Choke	298-29039	
T639	Trafo Wandler A2400/A2440	Power Transformer	490-28839.050	

Basic-Board A2440

Basic Board A2440

Art.-Nr. 87715.070/076

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
20	Distanzstück	Clutch Piece	503-88128.001	
20	Aufsteckkühlkörper	Screening	509-27369	
H474	584 Montageclip	Spring	739-87529.001	
H484	584 Montageclip	Spring	739-87529.001	
H509	584 Montageclip	Spring	739-87529.001	
H534	584 Montageclip	Spring	739-87529.001	
H539	584 Montageclip	Spring	739-87529.001	
H560	584 Montageclip	Spring	739-87529.001	
H561	584 Montageclip	Spring	739-87529.001	
H562	Glimmerscheibe 16x21	Insulating Piece	421-10881	
H586	584 Montageclip	Spring	739-87529.001	
H587	Glimmerscheibe 16x21	Insulating Piece	421-10881	
H611	Sicherungshalter für SI 5x20	Fuseholder Spring	730-20061	
H624	584 Montageclip	Spring	739-87529.001	
H652	584 Montageclip	Spring	739-87529.001	
H661	Abstandshalter Typ 410.06.15	Bolt	579-26173	
H663	584 Montageclip	Spring	739-87529.001	
H671	584 Montageclip	Spring	739-87529.001	
H674	584 Montageclip	Spring	739-87529.001	
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
10	L 7808 ACV	Integrated Circuit	349-21780.Y20	
I474	TDA 7296	Integrated Circuit	349-28414	
I484	TDA 7296	Integrated Circuit	349-28414	
I561	TDA8177	Integrated Circuit	349-26528	
I569	TL 431ACLP	Integrated Circuit	349-19817.020	
I611	TDA4605-3/TDA4605	Integrated Circuit	349-22113	
I663	L 7808ACV vormontiert	Integrated Circuit	349-21780.050	
I669	Opto-Koppler DIP4 80V 50/80mA	Coupler	353-28638	
I670	TL 431ACLP	Integrated Circuit	349-19817.020	
I674	TL 431ACLP	Integrated Circuit	349-19817.020	
I676	TL 431ACLP	Integrated Circuit	349-19817.020	
I691	L 78S09CV vormontiert	Integrated Circuit	349-24013.051	
I711	IC PC3SF21YTZB DIP6	Integrated Circuit	349-28561	
	TRANSISTOREN	TRANSISTORS		
10	POWMOS TO220FP NCH 600V 8A	Transistor	346-22395	
10	2SC5302 ISOW218 NPN 1500V 10A 50W	Transistor	346-28864	
Q508	DARLPOW TO220 NPN 80V 10A 65W	Transistor	346-29037	
Q511	BF422 TO92	Transistor	346-11562.020	
Q526	SILPLAN TO92 NPN 100V 2A 1W	Transistor	346-20796.020	
Q531	ZTX712 E-Line	Transistor	346-27659.020	
Q532	ZTX614 E-Line	Transistor	346-27660.020	
Q533	BF422 TO92	Transistor	346-11562.020	
Q534	2SC5302	Transistor	346-28864.Y20	
Q562	POWMOS TO220FP NCH 50V 10A 30W	Transistor	346-18528	
Q582	BC556B	Transistor	346-74967.020	
Q585	BC547B TO92	Transistor	346-74983.020	
Q586	BD537 TO220A	Transistor	346-77764	
Q589	BC557B	Transistor	346-74878.020	
Q593	BC557B	Transistor	346-74878.020	
Q624	POWMOS TO220 600V 8A geschnitten	Transistor	346-22395.Y20	
Q646	Transistor BUZ 71AF1	Transistor	346-18528.Y22	
Q648	BC547B TO92	Transistor	346-74983.020	
Q661	BC547B TO92	Transistor	346-74983.020	
Q663	POWMOS TO220FP NCH 50V 10A 30W	Transistor	346-18528	
Q674	POWMOS TO220FP NCH 50V 10A 30W	Transistor	346-18528	

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Basic Board A2440
Art.-Nr. 87715.070/076

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	DIODEN	DIODES		
10	Triac BTA08-600 TO220	Thyristor	348-26891	
10	3,0A 40V DO27 Schottky	Diode	352-12657	
10	3,0A 200V DO201AD UFAST-GP	Diode	352-25838.010	
10	10,0A 200V ISOWATT220AC	Diode	352-28625	
D206	ZD 30V0 2%	Diode	352-15763	
D474	1 N 4148 DO35	Diode	352-31818	
D491	1 N 4148 DO35	Diode	352-31818	
D526	1 N 4148 DO35	Diode	352-31818	
D527	EU 02	Diode	352-20289	
D531	1,0A 400V DO41 FAST-GP	Diode	352-20685	
D532	3,0A 200V DO201AD UFAST-GP	Diode	352-25838.Y26	
D533	BA 157	Diode	352-44799	
D539	ESC011M	Diode	352-23667	
D541	BA 157	Diode	352-44799	
D546	BA 157	Diode	352-44799	
D547	BA 159	Diode	352-49148	
D548	1 N 4148 DO35	Diode	352-31818	
D549	ZD 30V0 2%	Diode	352-15763	
D557	1,0A 400V DO41 FAST-GP	Diode	352-20685	
D558	1,0A 400V DO41 FAST-GP	Diode	352-20685	
D561	BA 157	Diode	352-44799	
D584	ZD 30V0 2%	Diode	352-15763	
D589	BA 157	Diode	352-44799	
D590	BA 157	Diode	352-44799	
D613	Gleichrichter FBI5L1M1 900V/5A	Rectifier	354-27910.Y22	
D622	BA 157	Diode	352-44799	
D624	3,0A 1000V DO27A UFAST-GP	Diode	352-22712	
D636	BA 157	Diode	352-44799	
D647	3,0A 40V DO27	Diode	352-12657.Y26	
D652	BYT08PI-1000	Diode	352-28613	
D656	3,0A 200V DO201AD UFAST-GP	Diode	352-25838.Y26	
D660	ZD 12V0	Diode	352-44202	
D663	10,0A 200V vormontiert BYW-80	Diode	352-28625.050	
	DIODEN	DIODES		
D666	0,5A 20V DO-35 SD103C	Diode	352-17741	
D669	1 N 4148 DO35	Diode	352-31818	
D670	ZD 30V0 2%	Diode	352-15763	
D671	STPS20L40CF ISOWATT220AB 2X10A	Diode	352-20296	
D672	ZD 3V9 DO35 5% 0,5W	Diode	352-10526	
D680	ZD 100V0 DO-41 J 1,3W ZPY	Diode	352-28686	
D686	3,0A 200V DO201AD UFAST-GP	Diode	352-25838.Y26	
D687	3,0A 200V DO201AD UFAST-GP	Diode	352-25838.Y26	
Y711	Triac BTA08-600A OD.S	Thyristor	348-26891.Y20	
	POTENTIOMETER	POTENTIOMETERS		
P662	1K 6mm Kohleschicht Horizont.	Potentiometer	375-22863.020	
	SICHERUNGEN	FUSES		
F611	6000mA F 125V 5x20	Fuse	380-27938	
F656	1250mA T 250V 8x8	Fuse	380-27943.020	
F661	4000mA F 250V 8x8	Fuse	380-28944.020	
F672	5000mA T 250V 8x8	Fuse	380-27940.020	
	KONDENSATOREN	CAPACITORS		
10	3N3 M 400VW	Capacitor	357-12003	
C531	2N2 J 2000V	Capacitor	359-26835	
C538	Elko 47uF M 250V	Electrolytic Capacitor	360-22941	
C539	3N3 J 2000V	Capacitor	359-25300	076

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Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
KONDENSATOREN		CAPACITORS		
C540	Elko 2U2 M 350V	Electrolytic Capacitor	360-28102.020	
C541	9N1 H	Capacitor	359-26619	070
C541	9N4 H	Capacitor	359-25295	076
C542	520N J 250V	Capacitor	359-25886	070
C542	900N J 160VW (250 V-)	Capacitor	359-73806	076
C543	25N J 630V	Capacitor	359-27012	
C544	680N J 250V	Capacitor	359-28116	070
C544	900N J 160VW (250 V-)	Capacitor	359-73806	076
C545	390P J 2000V	Capacitor	359-28868	
C546	470P K 1000V	Capacitor	357-23994.020	
C548	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	
C551	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	
C553	390P J 2000V	Capacitor	359-28868	
C568	470N J 100V	Capacitor	359-28078.020	
C611	220N M 275VW	Capacitor	359-77769	
C612	220N M 275VW	Capacitor	359-77769	
C613	220N M 275VW	Capacitor	359-77769	
C614	330P M 400VW	Capacitor	357-73804.Y01	
C616	Elko 680U M 250V	Electrolytic Capacitor	360-27739	
C618	Elko 680U M 250V	Electrolytic Capacitor	360-27739	
C619	100N M 250VW	Capacitor	359-23372	
C621	470N J 100V	Capacitor	359-28078.020	
C626	33N J 630V Polypropylen	Capacitor	359-22129	
C627	470P J 1500V	Capacitor	359-18821	
C639	3N3 M 400VW geschnitten	Capacitor	357-12003.Y02	
C650	150P K 1600V	Capacitor	359-13943	
C651	Elko 47uF M 250V	Electrolytic Capacitor	360-22941	070
C651	Elko 100U M 250V	Electrolytic Capacitor	360-31183	076
WIDERSTÄNDE		RESISTORS		
10	0R1 K 0W25 0207 WIDSI	Resistor	366-10905	
10	220R J 0207	Resistor	366-15679	
10	0R56 J 10,0W	Resistor	368-28210	
B590	1R K 0207 WIDSI	Resistor	366-12276	
R206	18K G 0207	Resistor	367-11559	
R207	18K G 0207	Resistor	367-11559	
R466	470R J 0617 3,00W	Resistor	367-20648	
R468	470R J 0617 3,00W	Resistor	367-20648	
R477	10K F 0204	Resistor	367-20347	
R479	220R J 0207	Resistor	366-15679	
R489	220R J 0207	Resistor	366-15679	
R491	3R3 K 0207 0,33W WIDSI	Resistor	366-11790	
R511	150K F 0204	Resistor	367-19004	
R512	10K F 0204	Resistor	367-20347	
R516	22R J 0207	Resistor	366-20655	
R517	22R J 0207	Resistor	366-20655	
R518	10R J 0207	Resistor	366-77101	
R521	3R3 K 0207 0,33W WIDSI	Resistor	366-11790	
R524	4K7 J 0207	Resistor	366-40343	
R525	4K7 J 0207	Resistor	366-40343	
R527	4K7 J 0207	Resistor	366-40343	
R528	4K7 J 0207	Resistor	366-40343	
R529	4K7 J 0207	Resistor	366-40343	
R530	4K7 J 0207	Resistor	366-40343	
R531	3R3 J 0207 0,50W WIDSI	Resistor	366-27701	
R532	0R68 J 4,00W	Resistor	368-21294	070

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Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	WIDERSTÄNDE	RESISTORS		
R532	0R56 J 4W0	Resistor	368-11093	076
R533	12R F 0207	Resistor	367-21330	
R534	3R3 J 0207 0,50W WIDSi	Resistor	366-27701	
R535	100K J 0207	Resistor	366-16330	
R536	10K F 0204	Resistor	367-20347	
R537	10K F 0204	Resistor	367-20347	
R538	100K J 0207	Resistor	366-16330	
R539	100K J 0207	Resistor	366-16330	
R540	47R J 0411 0,75W WIDSi	Resistor	368-28118	
R541	3R3 J 0207 0,50W WIDSi	Resistor	366-27701	
R542	1K8 G 0204	Resistor	367-20334	
R543	1K5 J 0414 1W	Resistor	367-20657	
R546	220R J 0207	Resistor	366-15679	
R547	3R3 J 0207 0,50W WIDSi	Resistor	366-27701	
R549	150K G 0207	Resistor	367-10898	
R551	150K G 0207	Resistor	367-10898	
R552	1M J 0207	Resistor	366-93108.018	070
R552	680K J 0207	Resistor	367-27264	076
R553	220R J 0207	Resistor	366-15679	
R555	1K8 G 0204	Resistor	367-20334	
R557	1R0 J 0207 0,5W WIDSi	Resistor	366-28909	
R558	1R0 J 0207 0,5W WIDSi	Resistor	366-28909	
R560	10K F 0204	Resistor	367-20347	
R561	3K9 F 0204	Resistor	367-20341	
R562	10K F 0204	Resistor	367-20347	
R565	40K2 F 0204	Resistor	367-26914	
R566	82K G 0207	Resistor	367-10885	
R567	470R J 0207	Resistor	366-20661	
R569	470R J 0207	Resistor	366-20661	
R574	0R82 J 4,00W	Resistor	368-11091	070
R574	0R68 J 4,00W	Resistor	368-21294	076
R578	82K G 0207	Resistor	367-10885	
R579	40K2 F 0204	Resistor	367-26914	
R581	10K F 0204	Resistor	367-20347	
R582	10K F 0204	Resistor	367-20347	
R583	390K G 0204	Resistor	367-16791	
R587	4K7 F 0204	Resistor	367-20346	
R588	10K F 0204	Resistor	367-20347	
R590	10R J 0207	Resistor	366-77101	
R591	1R J 0207	Resistor	366-20649	
R592	1R J 0207	Resistor	366-20649	
R593	10R J 0207	Resistor	366-77101	
R612	0R56 J 10,0W	Resistor	368-28210.Y20	
R613	0R68 J 7,00W	Resistor	368-27914	
R621	56K J 0414 1,00W	Resistor	367-22396	
R622	820K J 0207	Resistor	366-16437	
R623	4K7 F 0204	Resistor	367-20346	
R625	680K J 0207	Resistor	367-27264	
R626	22R J 0207	Resistor	366-20655	
R627	10K F 0204	Resistor	367-20347	
R628	39K J 3W	Resistor	367-22403	
R629	22R J 0207	Resistor	366-20655	
R634	680K J 0207	Resistor	367-27264	
R639	10M J 0411	Resistor	367-19664	
R647	100K J 0207	Resistor	366-16330	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	WIDERSTÄNDE	RESISTORS		
R649	10K F 0204	Resistor	367-20347	
R651	18K G 0207	Resistor	367-11559	
R652	1R K 0207 WIDSI	Resistor	366-12276	
R653	100R J 0207	Resistor	366-73257	
R654	100R J 0207	Resistor	366-73257	
R657	4K7 F 0204	Resistor	367-20346	
R658	4K7 F 0204	Resistor	367-20346	
R660	1K8 G 0204	Resistor	367-20334	
R661	39K F 0204	Resistor	367-28894	
R662	3K6 G 0204	Resistor	367-11486	
R663	220K F 0207	Resistor	367-28413	
R665	56K J 0414 1,00W	Resistor	367-22396	
R666	18K F 0204	Resistor	367-18527	
R668	4K7 F 0204	Resistor	367-20346	
R671	10K F 0204	Resistor	367-20347	
R677	10K F 0204	Resistor	367-20347	
R678	10K F 0204	Resistor	367-20347	
R679	100K J 0207	Resistor	366-16330	
R686	0R1 K 0207 WIDSI	Resistor	366-10905.Y09	
R687	0R1 K 0207 WIDSI	Resistor	366-10905.Y09	
R688	1R J 0207	Resistor	366-20649	
R689	1R J 0207	Resistor	366-20649	
R690	1R K 0207 WIDSI	Resistor	366-12276	
R691	100R J 0207	Resistor	366-73257	
R692	100R J 0207	Resistor	366-73257	
R706	DUO-PTC WID. 3R	PTC Resistor	372-27970	
R711	1K5 J 0414 1W	Resistor	367-20657	
R712	1K5 J 0414 1W	Resistor	367-20657	
R726	220R J 0207	Resistor	366-15679.Y01	

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
S4110	HF-Relais Omron G6Y-1 5DC	Relay	387-27950	050
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I4500	TDA5637 SOT340	Integrated Circuit	350-27278	050
I4600	TSA5523M SOT266	Integrated Circuit	350-27275	050
I4800	TDA9817 SDIP24	Integrated Circuit	349-27337	050
	TRANSISTOREN	TRANSISTORS		
Q4110	BCR198W SOT323 PNP	Transistor	344-27269	050
	DIODEN	DIODES		
D4110	BAS316 SOD323	Diode	351-27952	050
D4203	DIOVC 0A02 30V SOD323 BB640	Diode	351-26568	050
D4204	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050
D4222	DIOVC 0A02 30V SOD323 BB640	Diode	351-26568	050
D4241	DIOVC 0A02 30V SOD323 BB640	Diode	351-26568	050
D4242	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050
D4303	DIOVC 0A02 30V SOD323 BB639	Diode	351-26571	050
D4304	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
DIODEN		DIODES		
D4322	DIOVC 0A02 30V SOD323 BB639	Diode	351-26571	050
D4341	DIOVC 0A02 30V SOD323 BB639	Diode	351-26571	050
D4403	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050
D4422	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050
D4441	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050
D4508	DIOVC 0A02 30V SOD323 BB640	Diode	351-26568	050
D4527	DIOVC 0A02 30V SOD323 BB639	Diode	351-26571	050
D4551	DIOVC 0A02 30V SOD323 BB535	Diode	351-26570	050
D4806	BAV 99W SOT323	Diode	351-27469	050
QUARZE/FILTER		QUARTZES		
X4831	Piezo Filter 4,5 MHz	Ceramic Filter	386-27305.020	050
L231	Spule	Coil	297-27569.001	060
L232	Spule	Coil	297-27569.001	060
L233	Spule	Coil	297-27561.001	060
L301	Spule	Coil	297-27566.001	060
L311	Luftspule	Coil	297-27571	060
L331	Spule	Coil	297-27561.001	060
L332	Spule	Coil	297-27683.001	060
L351	Spule	Coil	297-27563.001	060
L352	Spule	Coil	297-27563.001	060
L401	Spule	Coil	297-27562.001	060
L411	Spule	Coil	297-27568.001	060
L422	Spule	Coil	297-27559.001	060
L431	Spule	Coil	297-27546.001	060
L432	Spule	Coil	297-27683.001	060
L451	Spule	Coil	297-27682.001	060
L452	Spule	Coil	297-27682.001	060
L503	Spule	Coil	297-27564.001	060
L523	Spule	Coil	297-27552.001	060
L543	Spule	Coil	297-27548.001	060
L546	Spule	Coil	297-27559.001	060
L701	Dr. 0U68 K 0305RA-R68K TDK	Choke	298-27591.020	060
816	Spule	Coil	297-27743	060
L831	Dr. 6U8 J EL0305RA-6R8J TDK	Choke	298-27588.020	060
P821	Potentiometer 10K 6mm Kohleschicht hor.	Potentiometer	375-27744	060
Q210	Transistor BF1100WR SOT343	Transistor	344-27268	060
Q310	Transistor BF1100WR SOT343	Transistor	344-27268	060
Q410	Transistor BF1100WR SOT343	Transistor	344-27268	060
Q836	Transistor BC847B SOT23	Transistor	344-14974	060
Q853	Transistor BC847BW SOT323	Transistor	344-27272	060
W100	Koax-Buchse	Socket	323-27599	060
W200	Kontaktleiste 6-pol. STLIN-1470ATT-006/11	Kontakt Ledge	326-27320.016	060
W800	Kontaktleiste 5-pol. STLIN-1470ATT-005/9	Kontakt Ledge	326-27320.015	060
X751	Filter OFW K 9463-M	Filter	290-25323.Y20	060
X771	Filter OFW K 9461-M	Filter	290-25216.Y20	060
X831	Piezo Filter	Ceramic Filter	386-27630.020	060
X832	Piezo Filter 4,5 MHz	Ceramic Filter	386-27305.020	060

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	VERBINDUNGSLEITUNG	CONNECTING CABLES		
50	Antennenkabel 2.4m mit Winkelstecker	Connecting Cable	169-27470001	051
	INTEGR.SCHALTUNGEN	INTEGRATED CIRCUITS		
I4500	IC TDA5637 SOT340	Integrated Circuit	350-27278	051
I4600	IC TSA5523M SOT266	Integrated Circuit	350-27275	051
I4800	IC TDA9817 SDIP24	Integrated Circuit	349-27337	051
I4800	IC TDA9817 TS-SSOP24	Integrated Circuit	350-28929	051
	DIODEN	DIODES		
D4203	BB 640 SOD323	Diode	351-26568	051
D4204	BB 535 SOD323	Diode	351-26570	051
D4222	BB 640 SOD323	Diode	351-26568	051
D4241	BB 640 SOD323	Diode	351-26568	051
D4242	BB 535 SOD323	Diode	351-26570	051
D4303	BB 639 SOD323	Diode	351-26571	051
D4304	BB 535 SOD323	Diode	351-26570	051
D4322	BB 639 SOD323	Diode	351-26571	051
D4341	BB 639 SOD323	Diode	351-26571	051
D4403	BB 535 SOD323	Diode	351-26570	051
D4422	BB 535 SOD323	Diode	351-26570	051
D4441	BB 535 SOD323	Diode	351-26570	051
D4508	BB 640 SOD323	Diode	351-26568	051
D4527	BB 639 SOD323	Diode	351-26571	051
D4551	BB 535 SOD323	Diode	351-26570	051
D4806	BAV 99W SOT323	Diode	351-27469	051
	QUARZE/FILTER	QUARTZES		
X4831	Piezo Filter 4,5 MHz	Ceramic Filter	386-27305020	051

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Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	BAUGRUPPEN	UNITS		
20	Audio-Erweiterung KPL. A2440	P.C.B	396-88589.050	050
20	Audio-Erweiterung kpl. A2440	P.C.B	396-88589.050	053
30	Digital Input Selector kpl. USA	P.C.B	396-88608.050	050
30	Digital Input Selector kpl. USA	P.C.B	396-88608.050	053
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
H1746	Halter/Diode	Holder	602-27977	
H1851	IC-Fassung 32-pol.	Socket	320-22087	
H1891	IC-Fassung 8-pol.	Socket	320-80503	
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I1011	TEA6422D SO28	Integrated Circuit	350-25732	
I1066	ICMOS Video-Schalter DMP8	Integrated Circuit	350-28875	
I1116	TEA6415 SO20L	Integrated Circuit	350-25733	
I1181	TEA6415 SO20L	Integrated Circuit	350-25733	
I1198	ICMOS Video-Schalter DMP8	Integrated Circuit	350-28875	
I1281	ICMOS TDA8501T SO24	Integrated Circuit	350-24917	
I1321	ICMOS MSP3430G PLCC-68	Integrated Circuit	350-27818	
I1341	MC 78L08ACP TO92	Integrated Circuit	349-24725.020	
I1466	ICMOS VPC3230D-B3 MQFP80	Integrated Circuit	350-29177	
I1491	ICMOS SAA4955HL LQFP44	Integrated Circuit	350-28823	
I1492	ICMOS SAA4955HL LQFP44	Integrated Circuit	350-28823	

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Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I1496	ICMOS SAA4955HL LQFP44	Integrated Circuit	350-28823	
I1501	ICMOS SAA4992 QFP160	Integrated Circuit	350-28572	
I1516	ICMOS 74HCT 08 SO14	Integrated Circuit	350-15441	
I1531	ICMOS SAA4977/107 QFP80	Integrated Circuit	350-29063	
I1541	3.3V 0,8A SO08 Volt. Regulat.	Integrated Circuit	350-27212	
I1556	IC-VR 5V00 J 0A10 TO92 78L05	Integrated Circuit	349-15209.020	
I1558	ICMOS 74LV00 D SO14	Integrated Circuit	350-28730	
I1560	ICMOS 74LV00 D SO14	Integrated Circuit	350-28730	
I1561	ICMOS 74LV00 D SO14	Integrated Circuit	350-28730	
I1571	ICMOS HCT4046 SO16	Integrated Circuit	350-24220	
I1607	ICMOS 74HCT123 SO16	Integrated Circuit	350-15562	
I1641	TDA4780-V4	Integrated Circuit	349-27676	
I1691	SDA9361-2 P-MQFP44	Integrated Circuit	350-28761	
I1740	ICMOS Z 86130 SOIC18	Integrated Circuit	350-28372	
I1781	ICMOS Z 86129 SOIC18	Integrated Circuit	350-28371	
I1801	ICMOS SABC161RI-LF TQFP1	Integrated Circuit	350-27354	
I1831	ICMOS 4,33V 20MA SO08 RESET-IC	Integrated Circuit	350-28905	
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I1845	ICMOS 4,33V 20MA SO08 RESET-IC	Integrated Circuit	350-28905	
I1851	ICMOS M27C801-100B1 DIL32	Integrated Circuit	349-28357	053
I1851	ICMOS M27C801-100 A2440 V3.0	Integrated Circuit	349-28357.533	050
I1851	ICMOS M27C801-100 A2440 V3.0	Integrated Circuit	349-28357.533	052
I1901	ICMOS VPC3233 QFP80	Integrated Circuit	350-28573	
I1923	ICMOS SAA4955HL LQFP44	Integrated Circuit	350-28823	
I1928	IC-VC LM311D SO-8 V-COMP	Integrated Circuit	350-29184	
I1941	ICMOS 5275-3P-A PLCC68 F. USA	Integrated Circuit	350-29030	
	BUCHSEN/FASSUNGEN	SOCKETS		
W1215	Mini-DIN-Buchse 9-pol. stehend	Socket	323-29229	053
W1249	Buchse vertical Mini DIN 8-polig	Socket	323-28368	
	DIODEN	DIODES		
D1591	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1595	DIOVC 0A02 30V SOD323 BB639	Diode	351-26571	
D1948	DIOZD 3V0 J 0W5 SOD-80 ZMM3	Diode	351-22085	
D1994	0,2A 75V SOD80 LL4148	Diode	351-15015	
	QUARZE/FILTER	QUARTZES		
X1282	Quarz 3,579545 MHz HC49U	Crystal Oscillator	385-17695	
X1327	Quarz 18,432000 MHz HC49U	Crystal Oscillator	385-25502	
X1483	Quarz 20,250000 MHz HC49U	Crystal Oscillator	385-26686	
X1701	Quarz 24,576000 MHz HC49U3H	Crystal Oscillator	385-24963	
X1746	Quarz 32,768000 KHz	Crystal Oscillator	385-24962	
X1812	Quarz 11,059200 MHz HC49U CL=16PF	Crystal Oscillator	385-29255	
X1917	Quarz 20,250000 MHz HC49U	Crystal Oscillator	385-26686	
X1958	Quarz 20,480000 MHz HC49U	Crystal Oscillator	385-24044	
	SICHERUNGEN	FUSES		
R1215	PPTC-Sich. 0A5/1A0 60V 7D5 5R1	Thermo Fuse	381-29890.020	053
	WIDERSTÄNDE	RESISTORS		
R1242	10R J 0207 0,25W WIDS1	Resistor	366-20353	
	SMD TEILE	SMD PARTS		
D1001	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1002	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1003	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1241	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1242	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1379	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1381	0,2A 75V SOD80 LL4148	Diode	351-15015	

Signal Board

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Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	SMD TEILE	SMD PARTS		
D1631	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1650	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1668	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1669	DIOZD 20V0 J 0W5 SOD-80 ZMM20	Diode	351-22138	
D1677	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1683	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1719	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1731	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	
D1732	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1754	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1757	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1768	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1769	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1773	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1796	DIOZD 20V0 J 0W5 SOD-80 ZMM20	Diode	351-22138	
D1797	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1799	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1858	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1875	0,2A 75V SOD80 LL4148	Diode	351-15015	
D1891	DIOZD 5V6 J 0W5 SOD-80 ZMM5.6	Diode	351-16758	
D1997	0,2A 75V SOD80 LL4148	Diode	351-15015	
Q1022	BC857BW SOT323	Transistor	344-28404	
Q1025	BC847BW SOT323	Transistor	344-27272	
Q1026	BC847BW SOT323	Transistor	344-27272	
Q1030	BC847BW SOT323	Transistor	344-27272	
Q1036	BC847BW SOT323	Transistor	344-27272	
Q1038	BC847BW SOT323	Transistor	344-27272	
Q1046	BC807-25 SOT23	Transistor	344-16064	
Q1057	BC817-25W SOT323	Transistor	344-28405	
Q1094	BC847BW SOT323	Transistor	344-27272	
Q1099	BC847BW SOT323	Transistor	344-27272	
Q1122	BC847BW SOT323	Transistor	344-27272	
Q1132	BC847BW SOT323	Transistor	344-27272	
Q1152	BC847BW SOT323	Transistor	344-27272	
Q1158	BC847BW SOT323	Transistor	344-27272	
Q1160	BC857BW SOT323	Transistor	344-28404	
Q1163	BC857BW SOT323	Transistor	344-28404	
Q1167	BC817-25W SOT323	Transistor	344-28405	
Q1193	BC847BW SOT323	Transistor	344-27272	
Q1208	BC857BW SOT323	Transistor	344-28404	053
Q1209	BC857BW SOT323	Transistor	344-28404	053
Q1214	BC847BW SOT323	Transistor	344-27272	
Q1219	BC847BW SOT323	Transistor	344-27272	
Q1223	BC847BW SOT323	Transistor	344-27272	
Q1225	BC857BW SOT323	Transistor	344-28404	
Q1229	BC847BW SOT323	Transistor	344-27272	
Q1233	BC847BW SOT323	Transistor	344-27272	
Q1235	BC857BW SOT323	Transistor	344-28404	
Q1239	BC847BW SOT323	Transistor	344-27272	
Q1240	BC857BW SOT323	Transistor	344-28404	
Q1243	BC857BW SOT323	Transistor	344-28404	
Q1247	BC857BW SOT323	Transistor	344-28404	053
Q1252	BC847BW SOT323	Transistor	344-27272	
Q1266	BC847BW SOT323	Transistor	344-27272	
Q1272	BC817-25W SOT323	Transistor	344-28405	

Signal Board**Art.-Nr. 88529.050/052/053**

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	SMD TEILE	SMD PARTS		
Q1291	BC847BW SOT323	Transistor	344-27272	
Q1296	BC847BW SOT323	Transistor	344-27272	
Q1346	BC847BW SOT323	Transistor	344-27272	
Q1348	BC847BW SOT323	Transistor	344-27272	
Q1361	BC857BW SOT323	Transistor	344-28404	
Q1363	BC857BW SOT323	Transistor	344-28404	
Q1367	BC857BW SOT323	Transistor	344-28404	
Q1372	BC847BW SOT323	Transistor	344-27272	
Q1373	BC847BW SOT323	Transistor	344-27272	
Q1376	BC847BW SOT323	Transistor	344-27272	
Q1381	BC857BW SOT323	Transistor	344-28404	
Q1400	BC847BW SOT323	Transistor	344-27272	
Q1403	BC847BW SOT323	Transistor	344-27272	
Q1413	BC847BW SOT323	Transistor	344-27272	
Q1416	BC847BW SOT323	Transistor	344-27272	
Q1426	BC847BW SOT323	Transistor	344-27272	
Q1431	BC847BW SOT323	Transistor	344-27272	
Q1436	BC857BW SOT323	Transistor	344-28404	
Q1441	BC847BW SOT323	Transistor	344-27272	
Q1562	BC857BW SOT323	Transistor	344-28404	
Q1567	BC857BW SOT323	Transistor	344-28404	
Q1573	BC857BW SOT323	Transistor	344-28404	
Q1591	BF550 SOT23	Transistor	344-23563	
Q1673	BC847BW SOT323	Transistor	344-27272	
Q1682	BC847BW SOT323	Transistor	344-27272	
Q1752	BC847BW SOT323	Transistor	344-27272	
Q1758	BC847BW SOT323	Transistor	344-27272	
Q1760	BC847BW SOT323	Transistor	344-27272	
Q1763	BC847BW SOT323	Transistor	344-27272	
Q1766	BC847BW SOT323	Transistor	344-27272	
Q1771	BC847BW SOT323	Transistor	344-27272	
Q1791	BC847BW SOT323	Transistor	344-27272	
Q1796	BC847BW SOT323	Transistor	344-27272	
Q1847	BC847BW SOT323	Transistor	344-27272	
Q1857	BC847BW SOT323	Transistor	344-27272	
Q1866	BC857BW SOT323	Transistor	344-28404	
Q1875	BC857BW SOT323	Transistor	344-28404	
Q1896	BC857BW SOT323	Transistor	344-28404	
Q1961	BC847BW SOT323	Transistor	344-27272	
Q1963	BC847BW SOT323	Transistor	344-27272	
Q1966	BC857BW SOT323	Transistor	344-28404	
Q1967	BC857BW SOT323	Transistor	344-28404	
Q1968	BC857BW SOT323	Transistor	344-28404	
Q1991	BC857BW SOT323	Transistor	344-28404	
Q1997	BC847BW SOT323	Transistor	344-27272	

Bedienteil **Control Unit** **Art.-Nr. 87819.081**

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
L8101	Relay 9V 350R 10A 1-pol.	Relay	387-25050	081
T8101	Trafo Netz USA 115V/8V/1A mit Thermosich.	Power Transformer	490-28963	081
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
H8006	684 Halter/Diode vorm.	Holder	602-84535.052	081
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I8016	IR-Empfänger (1-Farbstreifen)	Coupler	353-22155.Y20	081
I8101	IC-VR 5V00 J 0A10 TO92 78L05	Integrated Circuit	349-15209.020	081
	BUCHSEN/FASSUNGEN	SOCKETS		
W8351	Kombibuchse	Socket	323-28586	081
	DIODEN	DIODES		
D8101	Gleichrichter B 40 C 800-R-A rund	Rectifier	354-27624.040	081
D8206	LED 3mm rot lowcurrent	Coupler	353-22140	081
D8207	LED 3mm grün lowcurrent	Coupler	353-22141	081
	SCHALTER	SWITCHES		
S8001	Taster (lang) 6,2x6,2mm horiz.	Switch	467-28135	081
S8002	Taster (lang) 6,2x6,2mm horiz.	Switch	467-28135	081
S8003	Taster (lang) 6,2x6,2mm horiz.	Switch	467-28135	081
S8101	Netzschalter 8013 LORL	Switch	471-25599	081
	WIDERSTÄNDE	RESISTORS		
R8301	10M J 0411	Resistor	367-19664.Y05	081
	SMD TEILE	SMD PARTS		
D8011	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8012	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8103	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8106	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8201	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	081
D8202	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	081
D8204	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	081
D8205	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	081
D8211	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8331	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	081
D8336	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	081
D8391	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8392	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8491	0,2A 75V SOD80 LL4148	Diode	351-15015	081
D8492	0,2A 75V SOD80 LL4148	Diode	351-15015	081
Q8002	BC847B SOT23	Transistor	344-14974	081
Q8111	BC847B SOT23	Transistor	344-14974	081
Q8114	BC847B SOT23	Transistor	344-14974	081

Bedienteil **Control Unit** **Art.-Nr. 88668.050**

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
L8101	Relay 9V 350R 10A 1-pol.	Relay	387-25050	050
T8101	Trafo Netz USA 115V/8V/1A mit Thermosich.	Power Transformer	490-28963	050
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
D8207	554 Halter/Diode vorm.	Holder	602-84535.055	050
H8212	Abschirmblech	Screening	509-87246.001	050
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I8101	IC-VR 5V00 J 0A10 TO92 78L05	Integrated Circuit	349-15209.020	050
	BUCHSEN/FASSUNGEN	SOCKETS		
W8002	Kombibuchse 6,5mm	Socket	323-27415	050
	DIODEN	DIODES		
D8101	Gleichrichter B 40 C 800-R-A rund	Rectifier	354-27624.040	050
D8206	LED 3mm rot low current	coupler	353-22140	050
D8207	LED 3mm grün low current	coupler	353-22141	050
	SCHALTER	SWITCHES		
S8101	Netzschalter 8013 LORL	Switch	471-25599	050
S8201	Taster (lang) 6,2x6,2mm horiz.	Switch	467-28135	050
S8202	Taster (lang) 6,2x6,2mm horiz.	Switch	467-28135	050
S8203	Taster (lang) 6,2x6,2mm horiz.	Switch	467-28135	050
	SMD TEILE	SMD PARTS		
D8002	DIOZD 20V0 J 0W5 SOD-80 ZMM20	Diode	351-22138	050
D8103	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8106	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8111	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8112	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8114	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8201	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8202	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8204	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8331	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8336	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8391	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8392	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8491	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8492	0,2A 75V SOD80 LL4148	Diode	351-15015	050
Q8111	BC847BW SOT323	Transistor	344-27272	050
Q8114	BC847BW SOT323	Transistor	344-27272	050
Q8202	BC847BW SOT323	Transistor	344-27272	050

Buchsenplatte Sockets Board 88185.050

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	SCHALTER	SWITCHES		
S8301	Taster (lang)	Switch	467-28135	050
S8302	Taster (lang)	Switch	467-28135	050
S8303	Taster (lang)	Switch	467-28135	050
	SMD TEILE	SMD PARTS		
D8312	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8313	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8331	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8336	DIOZD 12V0 J 0W5 SOD-80 ZMM12	Diode	351-17532	050
D8391	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8392	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8491	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8492	0,2A 75V SOD80 LL4148	Diode	351-15015	050
Q8302	BC847BW SOT323	Transistor	344-27272	050

Stand-by Netzteil Stand-by Power Supply Art.-Nr. 88537.050

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var.
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
L8101	Relay 9V 350R 10A 1-pol.	Relay	387-25050	050
T8101	Trafo Netz USA 115V/8V/1A mit Thermosich.	Power Transformer	490-28963	050
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I8101	IC 78 L 05 ACPRE	Integrated Circuit	349-15209.Y14	050
	DIODEN	DIODES		
D8101	Gleichrichter B 40 C 800-R-A rund	Rectifier	354-27624.040	050
	SCHALTER	SWITCHES		
S8101	Netzschalter ARTICOS	SWITCH	471-29099	050
	SMD TEILE	SMD PARTS		
D8102	ZD 20V0 J 0W5 SOD-80 ZMM20	Diode	351-22138	050
D8103	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8106	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D8114	0,2A 75V SOD80 LL4148	Diode	351-15015	050
Q8111	BC847BW SOT323	Transistor	344-27272	050
Q8114	BC847BW SOT323	Transistor	344-27272	050

Bildrohrplatte**CRT P.C.B****Art.-Nr. 87981.050**

Pos.Nr. Item Nj.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part Nj.	Var. Var.
SPULEN/LAUTSPRECHER		COILS,SPEAKERS		
L226	Dr. EMV Typ RB 4-pol. 1A 50V 0,08 Ohm	Choke	298-28883	050
L521	Dr. 4U7	Choke	298-18104.020	050
ALLGEM.MECHAN.TEILE		COMMON MECHANICAL PARTS		
40	Montageclip 6mm	Spring	739-10230	050
INTEGR. SCHALTUNGEN		INTEGRATED CIRCUITS		
I370	TDA6120N2	Integrated Circuit	349-27260	050
I380	TDA6120N2	Integrated Circuit	349-27260	050
I390	TDA6120N2	Integrated Circuit	349-27260	050
I496	LM 2902-M	Integrated Circuit	350-19705	050
BUCHSEN/FASSUNGEN		SOCKETS		
20	Bildrohr-Fassung	Socket	320-28089	050
TRANSISTOREN		TRANSISTORS		
Q424	BC640	Transistor	346-25720.020	050
Q434	BC639	Transistor	346-75622.020	050
Q444	BC640	Transistor	346-25720.020	050
Q454	BC639	Transistor	346-75622.020	050
Q482	BC547B TO92	Transistor	346-74983.020	050
Q484	BC557B	Transistor	346-74878.020	050
Q492	BC547B TO92	Transistor	346-74983.020	050
Q494	BC557B	Transistor	346-74878.020	050
DIODEN		DIODES		
D502	15,0A 20V DO-35 SD103C	Diode	352-17741	050
D531	1,0A 1000V DO204AL 1N4007	Diode	352-79585	050
KONDENSATOREN		CAPACITORS		
C131	100N K 250V	Capacitor	359-26910.020	050
C231	100N K 250V	Capacitor	359-26910.020	050
C331	100N K 250V	Capacitor	359-26910.020	050
C461	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	050
C463	220N J 100V	Capacitor	359-27013.020	050
C521	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	050
C522	100N K 250V	Capacitor	359-26910.020	050
C531	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	050
C532	1N M 1000V	Capacitor	357-73102.020	050
C541	10N M 2000V	Capacitor	357-21868	050
WIDERSTÄNDE		RESISTORS		
10	18K F 0414	Resistor	367-27342	050
R134	220R 10% 0411	Resistor	365-27261	050
R136	18K F 0414 geschnitten	Resistor	367-27342.Y10	050
R234	220R 10% 0411	Resistor	365-27261	050
R236	18K F 0414 geschnitten	Resistor	367-27342.Y10	050
R334	220R 10% 0411	Resistor	365-27261	050
R336	18K F 0414 geschnitten	Resistor	367-27342.Y10	050
R461	3R3 J 0207 0,5W WIDSI	Resistor	366-27701	050
R523	33R K 0207 0,5W WIDSI	Resistor	366-20795.010	050
R524	10R J 0207	Resistor	366-77101	050
R531	1M J 0207	Resistor	366-28054	050
R532	1K5 K 0411	Resistor	365-77586	050
R541	10K K 0411	Resistor	365-77587	050
R542	22M J 0207	Resistor	367-28262	050
SMD TEILE		SMD PARTS		
D133	BAV103 IMPLITEC-Diode	Diode	351-27246	050
D134	BAV103 IMPLITEC-Diode	Diode	351-27246	050
D136	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D233	BAV103 IMPLITEC-Diode	Diode	351-27246	050
D234	BAV103 IMPLITEC-Diode	Diode	351-27246	050

Bildrohrplatte**CRT P.C.B****Art.-Nr. 87981.050**

Pos.Nr. Item Nj.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part Nj.	Var. Var.
	SMD TEILE	SMD PARTS		
D236	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D333	BAV103 IMPLITEC-Diode	Diode	351-27246	050
D334	BAV103 IMPLITEC-Diode	Diode	351-27246	050
D336	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D411	BA 592 SOD323	Diode	351-25810	050
D412	BA 592 SOD323	Diode	351-25810	050
D413	BA 592 SOD323	Diode	351-25810	050
D414	BA 592 SOD323	Diode	351-25810	050
D421	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D451	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D503	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D504	0,2A 75V SOD80 LL4148	Diode	351-15015	050
D516	0,2A 75V SOD80 LL4148	Diode	351-15015	050
Q102	BC857BW SOT323	Transistor	344-28404	050
Q112	BC847BW SOT323	Transistor	344-27272	050
Q202	BC857BW SOT323	Transistor	344-28404	050
Q212	BC847BW SOT323	Transistor	344-27272	050
Q302	BC857BW SOT323	Transistor	344-28404	050
Q312	BC847BW SOT323	Transistor	344-27272	050
Q402	BC847BW SOT323	Transistor	344-27272	050
Q407	BC847BW SOT323	Transistor	344-27272	050
Q413	BC857BW SOT323	Transistor	344-28404	050
Q421	BC846BW SOT323	Transistor	344-28895	050
Q431	BC856BW SOT323	Transistor	344-28629	050
Q441	BC846BW SOT323	Transistor	344-28895	050
Q451	BC856BW SOT323	Transistor	344-28629	050
Q462	BC856BW SOT323	Transistor	344-28629	050
Q467	BC847BW SOT323	Transistor	344-27272	050
Q504	BC857BW SOT323	Transistor	344-28404	050
Q506	BC847BW SOT323	Transistor	344-27272	050
Q512	BC857BW SOT323	Transistor	344-28404	050
Q517	BC847BW SOT323	Transistor	344-27272	050
Q521	BFN23 SOT23	Transistor	344-15350	050

Bildrohrplatte**CRT P.C.B****Art.-Nr. 87833.055**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	SPULEN/LAUTSPRECHER	COILS,SPEAKERS		
L3226	Dr. EMV Typ RB 4-pol. 1A 50V 0,08 Ohm	Choke	298-28883	055
L3366	Dr. 4U7	Choke	298-18104.020	055
	ALLGEM. MECHAN. TEILE	COMMON MECHANICAL PARTS		
40	Montageclip 6mm	Spring	739-10230	055
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I3370	TDA6120N2	Integrated Circuit	349-27260	055
I3380	TDA6120N2	Integrated Circuit	349-27260	055
I3390	TDA6120N2	Integrated Circuit	349-27260	055
	BUCHSEN/FASSUNGEN	SOCKETS		
20	Bildrohrfassung	Socket	320-23997	055
	TRANSISTOREN	TRANSISTORS		
Q3221	BC640	Transistor	346-25720.020	055
Q3222	BC639	Transistor	346-75622.020	055

Bildrohrplatte**CRT P.C.B****Art.-Nr. 87833.055**

Pos.Nr.	Bestell-Bezeichnung	Description	Bestell-Nr.	Var.
ItemN°.			List Part N°.	Var.
	DIODEN	DIODES		
D3351	0,5A 20V DO-35 SD103C	Diode	352-17741	055
D3367	1,0A 1000V DO204AL 1N4007	Diode	352-79585	055
	KONDENSATOREN	CAPACITORS		
C3154	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	055
C3360	10N M 2000V	Capacitor	357-21868	055
C3364	100N K 250V	Capacitor	359-26910.020	055
C3366	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	055
C3367	Elko 22U S 250V	Electrolytic Capacitor	360-11762.020	055
C3368	1N M 1000V	Capacitor	357-73102.020	055
C3370	100N K 250V	Capacitor	359-26910.020	055
C3380	100N K 250V	Capacitor	359-26910.020	055
C3390	100N K 250V	Capacitor	359-26910.020	055
	WIDERSTÄNDE	RESISTORS		
10	18K F 0414	Resistor	367-27342	055
R3153	3R3 J 0207 0,50W WIDSI	Resistor	366-27701	055
R3329	33R K 0207 0,5W WIDSI	Resistor	366-20795.010	055
R3364	10R J 0207	Resistor	366-77101	055
R3367	1M J 0207	Resistor	366-28054	055
R3368	1K5 K 0411	Resistor	365-77586	055
R3369	10K K 0411	Resistor	365-77587	055
R3374	18K F 0414 geschnitten	Resistor	367-27342.Y10	055
R3378	220R 10% 0411	Resistor	365-27261	055
R3384	18K F 0414 geschnitten	Resistor	367-27342.Y10	055
R3388	220R 10% 0411	Resistor	365-27261	055
R3394	18K F 0414 geschnitten	Resistor	367-27342.Y10	055
R3398	220R 10% 0411	Resistor	365-27261	055
	SMD TEILE	SMD PARTS		
D3218	BA 592 SOD323	Diode	351-25810	055
D3219	BA 592 SOD323	Diode	351-25810	055
D3322	0,2A 75V SOD80 LL4148	Diode	351-15015	055
D3341	0,2A 75V SOD80 LL4148	Diode	351-15015	055
D3371	0,2A 75V SOD80 LL4148	Diode	351-15015	055
D3377	BAV103 IMPLITEC-Diode	Diode	351-27246	055
D3378	BAV103 IMPLITEC-Diode	Diode	351-27246	055
D3381	0,2A 75V SOD80 LL4148	Diode	351-15015	055
D3387	BAV103 IMPLITEC-Diode	Diode	351-27246	055
D3388	BAV103 IMPLITEC-Diode	Diode	351-27246	055
D3391	0,2A 75V SOD80 LL4148	Diode	351-15015	055
D3397	BAV103 IMPLITEC-Diode	Diode	351-27246	055
D3398	BAV103 IMPLITEC-Diode	Diode	351-27246	055
Q3157	BC856BW SOT323	Transistor	344-28629	055
Q3161	BC847BW SOT323	Transistor	344-27272	055
Q3162	BC857BW SOT323	Transistor	344-28404	055
Q3171	BC847BW SOT323	Transistor	344-27272	055
Q3172	BC857BW SOT323	Transistor	344-28404	055
Q3181	BC847BW SOT323	Transistor	344-27272	055
Q3182	BC857BW SOT323	Transistor	344-28404	055
Q3204	BC847BW SOT323	Transistor	344-27272	055
Q3211	BC857BW SOT323	Transistor	344-28404	055
Q3213	BC847BW SOT323	Transistor	344-27272	055
Q3216	BC847BW SOT323	Transistor	344-27272	055
Q3321	BC847BW SOT323	Transistor	344-27272	055
Q3326	BFN23 SOT23	Transistor	344-15350	055
Q3341	BC857BW SOT323	Transistor	344-28404	055
Q3343	BC847BW SOT323	Transistor	344-27272	055
Q3362	BC857BW SOT323	Transistor	344-28404	055

DIS-Modul **DIS Module** **Art.-Nr. 88608.050**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I01	ICMOS CS8405A SOIC28	Integrated Circuit	350-29100	050
I02	ICMOS NE564D SO16 PLL	Integrated Circuit	350-29101	050
I03	ICMOS 74HCT93D SO14	Integrated Circuit	350-29102	050
I05	NJM2293M DMP16 Video Switch	Integrated Circuit	350-30736	050
I06	ICMOS PCF8574 SSOP20	Integrated Circuit	350-28688	050
	SMD TEILE	SMD PARTS		
Q01	BC847BW SOT323	Transistor	344-27272	050
Q03	BC847BW SOT323	Transistor	344-27272	050
Q04	BC857BW SOT323	Transistor	344-28404	050

Audio-Erw.-Modul **Audio Ext. Module** **Art.-Nr. 88589.050**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	BUCHSEN/FASSUNGEN	SOCKETS		
I01	IR-Buchse Empf. Torx176 TOS-Link	Coupler	353-29427	050
W01	Cinchbuchsenleiste 2-fach schwarz	Socket	323-28395	050

EBS VGA Component A2440 **87808.005-6**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description List Part N°.	Bestell-Nr. Var.	Var.
	BAUGRUPPEN	UNITS		
10	Lpl. VGA-/IR-Adapter Q2400/P24 kpl.	P.C.B	396-87717.050	006
10	VGA Component kpl. A2400	P.C.B	396-88079.050	005
	GERÄTEBEIPACK	SET SUPPLEMENT		
H881	Noppenstreifen selbstklebend	Felt Strip	414-29337	006
N801	Verbindungsl. VGA 15-pol. schwarz D-SUB	Connecting Cable	169-87872.001	006

VGA Component **Art.-Nr. 88079.050**

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I891	ICMOS 74HCT 00 SO14	Integrated Circuit	350-15555	050
I896	SN74LS92D SO14 TTL	Integrated Circuit	350-28484	050
I901	CXA2101AQ QFP-80 Multi-C. Processor	Integrated Circuit	350-29095	050
I936	ICMOS 74HCT 00 SO14	Integrated Circuit	350-15555	050
I996	Volt. Regulat. TO252 9V OA5	Integrated Circuit	350-29008	050
	BUCHSEN/FASSUNGEN	SOCKETS		
W801	Subminiatur-Buchse 15-pol.	Socket	323-28415	050
W881	Kopfhörerbuchse 3,5mm Mono	Socket	323-28672	050
	QUARZE/Filter	QUARTZES		
X893	Piezo Filter 429,0KHz	Ceramic Filter	386-18622	050
	WIDERSTÄNDE	RESISTORS		
10	33R J 0207	Resistor	366-22944	050
	SMD TEILE	SMD PARTS		
D888	0,2A 75V SOD80 LL4148	Diode	351-15015	050
Q881	BC807-25 SOT23	Transistor	344-16064	050
Q981	BC847BW SOT323	Transistor	344-27272	050
Q986	BC847BW SOT323	Transistor	344-27272	050
Q991	BC847BW SOT323	Transistor	344-27272	050

Frequenzweiche / Cross-over Network

Art.-Nr. 85729.069/086

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var
	WIDERSTÄNDE	RESISTORS		
R 01	4R7 K 5,0 W	Resistor	368-25590	069
R 01	Drahtbrücke RM 15 x 4,3 x 60mm	Wire bridge	309-31359001	086
	KONDENSATOREN	CAPACITORS		
C 01	3µ3 K 50V 10x20	Electrolytic Capacitor	360-25591Y20	069
C 01	4µ7 K 50V 10x20	Electrolytic Capacitor	360-25592Y08	086
	SPULEN	COILS		
L 01	0m56	Coil	298-25645	069
L 01	0m33	Coil	298-25646	086

Fernbedienung

Remote Control

Art.-Nr. 87000.063/066

Pos.Nr. Item N°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.	Var. Var.
	INTEGR. SCHALTUNGEN	INTEGRATED CIRCUITS		
I101	ICMOS PIC16LC62A-04 SSOP28 V.12M	Integrated Circuit	350-29062.050	
I171	IC LM 358 SMD	Integrated Circuit	350-21521	
I151	ICMOS EEPROM 24CL16B/5N V.01 SOIC8	Integrated Circuit	350-28189	063
I151	ICMOS EEPROM 24CL16B/5N V.2 SOIC8	Integrated Circuit	350-28189.002	066
	GEBER-ERSATZTEILE	SPARE PARTS FOR TRANSMITTER		
20	Batteriefeder 1-fach	Spring	739-85278.001	
20	Batteriefeder vergoldet	Spring	739-87217.002	
20	Gehäuse-Oberteil CONTROL USA arktis	Cover	756-87265.009	063
20	Gehäuse-Oberteil CONTROL USA arktis	Cover	756-87265.014	066
25	Lichtleiter	Window	666-87274.001	
30	Kontakmatte CONTROL USA	Spring Contact	309-87267.004	
70	Gehäuse-Unterteil CONTROL USA	Cover	756-87264.011	
80	Batteriefeder 2-fach	Spring	739-85279.001	
80	Batteriefeder vergoldet	Spring gold-plated	739-85279.001	
90	Batteriedeckel arktis	Cover	756-87215.001	
C121	ELKO 220U M 6V SMD	Electrolytic Capacitor	362-25508	
D117	LED LG T679 SMD	Coupler	353-27021	
D118	LED LG T679 SMD	Coupler	353-27021	
D121	LED F.D.SFH 4515	Coupler	353-27024	
D176	Fototransistor Sideled	Coupler	353-28307	
Q121	General SOT23 PNP 45V 500mA	Transistor	344-25509	
Q126	BC857B SOT23	Transistor	344-14979	
X111	Reson. 4,000000 MHz SMD mit Kond.	Ceramic Filter	386-28191	
	SMD TEILE	SMD PARTS		
D181	0,2A 75V SOD80 LL4148	Diode	351-15015	
D182	1PS76SB21 SOD323	Diode	351-28299	
Q181	BC847B SOT23	Transistor	344-14974	

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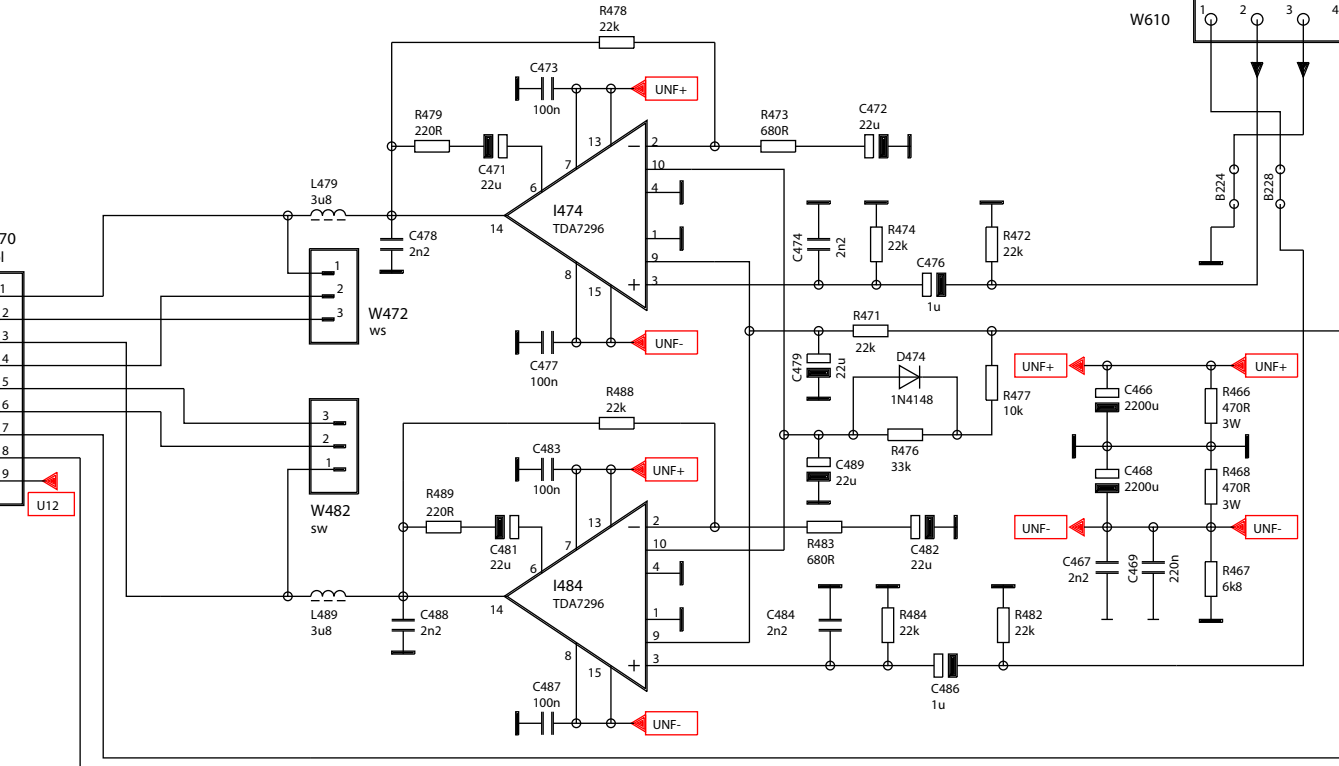
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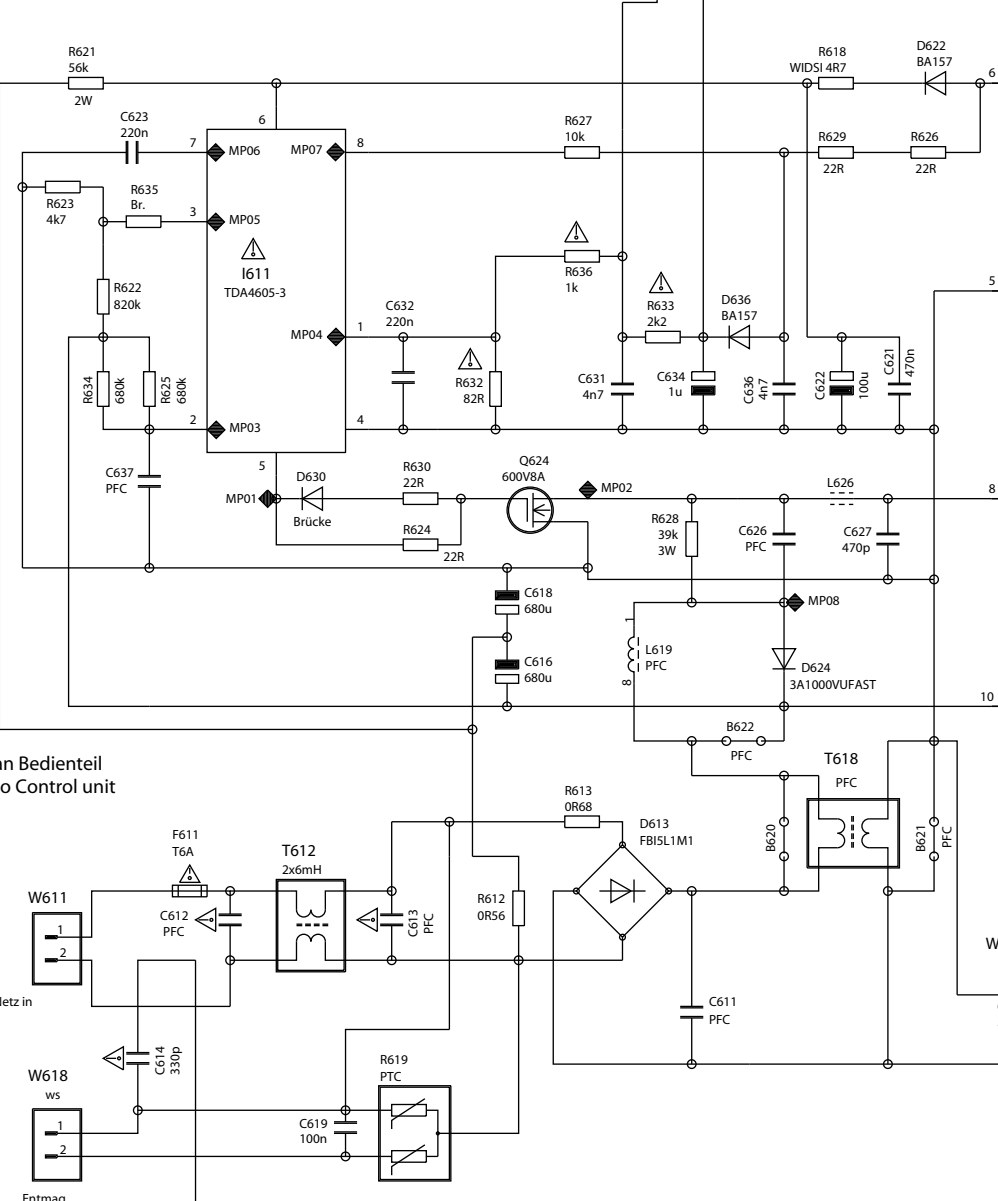
3-2004



Stereoeendstufe
Final stage stereo



Netzteil
Power supply



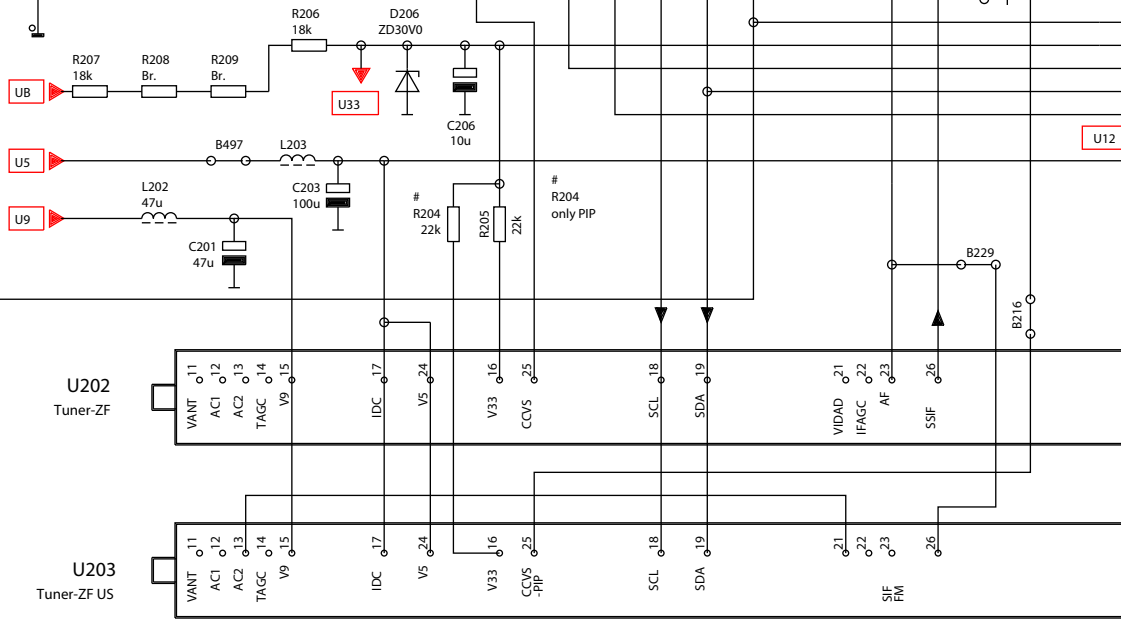
an Entmagnetisierung
to degaussing

Netzspannungs-Potential
Supply voltage potential

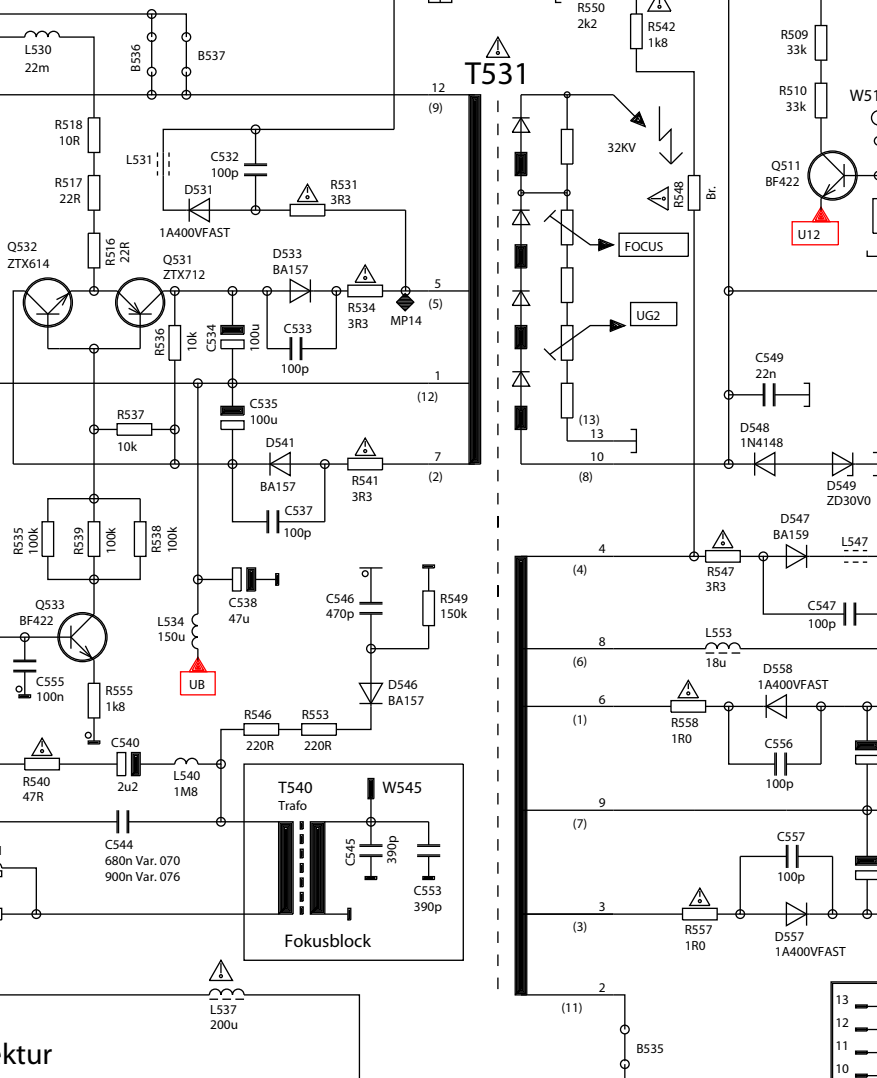
Geräte-Potential (erdfrei)
Set potential (off ground)

Vert.-Ablenkung
Vert. deflection

Hyperband-Tuner
Hyperband tuner



Hor. Endstufe
Hor. final stage



O/W-Korrektur
E/W-correction

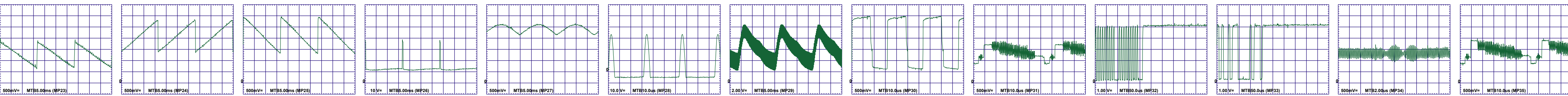
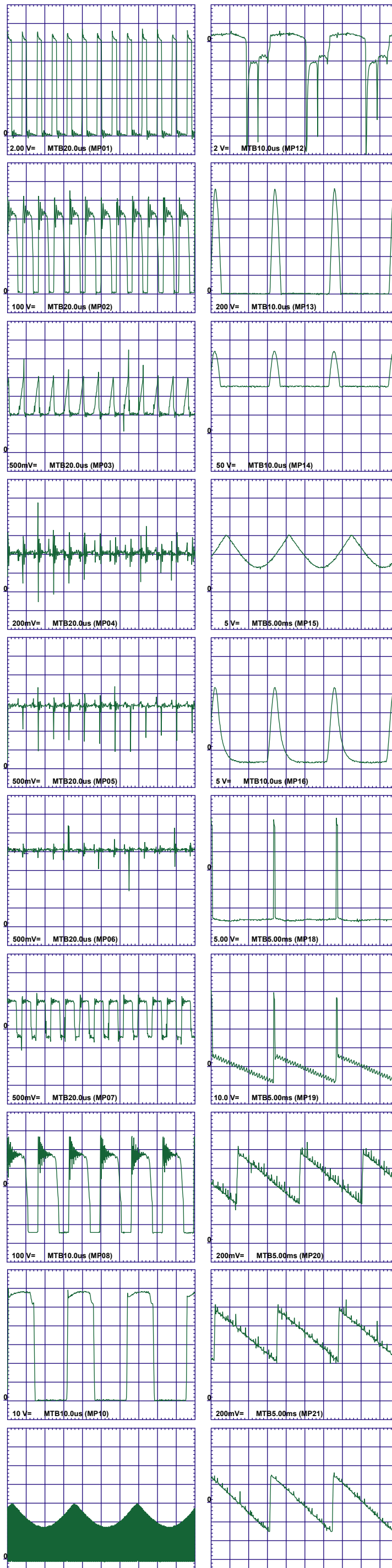
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Basic Board

Variante: 070/076

Code-Teil-Nr. Lpl.: 594/390-87715

erst: 19.11.03 Datum: 19.11.03

gipr: Datum:



* = entfällt in Var. 052